Government of Saskatchewan

Annual Report 1981

Saskatchewan Health
Vital Statistics
3475 Albert Street
Regina, Saskatchewan
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Department of Health

To The Honourable F. W. Johnson,
Lieutenant Governor of Saskatchewan.

May It Please Your Honour:

I beg to present herewith, for your consideration, the annual report on Saskatchewan vital statistics for the calendar year 1981.

Respectfully submitted,

Graham Taylor,
Minister of Health.

Department of Health

To The Honourable Graham Taylor,
Minister of Health.

Sir:

I have the honour to forward herewith the annual report on Saskatchewan vital statistics for the calendar year 1981.

Respectfully submitted,

Walter Podiluk,
Deputy Minister of Health.

Foreword

The Saskatchewan Vital Statistics Annual Report 1981 has been prepared subsequent to the Interim Report on Saskatchewan Vital Statistics for the Calendar Year 1981, which was tabled in the Legislative Assembly on July 7, 1982. The Interim Report is based on place of occurrences in Saskatchewan regardless of place of residence. This Annual Report is based on occurrences to Saskatchewan residents regardless of where they took place.

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Terms and Definitions

A summary of symbols, definitions, and the method of computing rates used in this report are given below.

Symbols:

n.a. figures not available
— nil or zero

Definitions:

Population — unless otherwise indicated, resident population as enumerated in census years or estimated for intercensal years.
— 1972-1975 — June 1 intercensal estimates.
— 1921-1971, 1976 — census or revised estimates.
— 1977-1980 — final postcensal estimate — June 1st.
— 1981 — census

Births — unless otherwise indicated, infants born alive, i.e. excluding stillbirths.

Stillbirths — unless otherwise indicated, foetal deaths of 20 or more weeks' gestation.

Deaths — unless otherwise indicated, exclude stillbirths.

Infant deaths — deaths under 1 year of age.

Neonatal mortality — deaths under 28 days (4 weeks) of age.

Maternal mortality — deaths due to delivery and complications of pregnancy, childbirth and the puerperium (Categories 630-676 International List).

Perinatal mortality — foetal deaths of 20 or more weeks' gestation plus infant deaths under 7 days (1 week) of age.

Natural increase — excess of births over deaths.

Crude rates — birth, marriage, death and natural increase rates per 1,000 population.

Age-specific fertility rates — birth rate per 1,000 women in the respective age period.

Total fertility rates — sum of female age-specific fertility rates, multiplied by 5

General fertility rates — birth rate per 1,000 women 15-49 years.

Gross reproduction — average number of live daughters that would be born to a hypothetical female birth cohort if subjected to current age-specific fertility rates, and assuming that mortality before age 50 is zero.

Total births — live births and stillbirths.

Years of Life Lost — number of years between age at death and mean life expectancy for that age.

Age — complete ages in years, months, etc.

Average age — arithmetic mean.

Median age — age above and below which half of the total events occur.

Rates

(unless otherwise indicated, computed as follows)

Live births:	per 1,000 population.
Stillbirths:	per 1,000 live births.
Deaths:	per 1,000 population.
Infant:	per 1,000 live births.
Neonatal:	per 1,000 live births.
Maternal:	per 1,000 live births.
Perinatal:	per 1,000 total births.
Causes of death	
All causes:	per 100,000 population.
Infant:	per 1,000 live births.
Marriages:	per 1,000 population.
Divorces:	per 100,000 population.
Natural increase:	per 1,000 population.

Notes:

1. Causes of death are coded according to the 9th 1975 Revision of the International Classification of Diseases, Injuries and Causes of Death, which was put into effect on January 1, 1979.
2. Rates and percentages may not add to 100.0 due to rounding.
3. Inquiries about this publication should be addressed to:

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Introduction

Population

At the turn of the century, the first heavy settlement took place in Saskatchewan. This was a period of record migration from overseas, supplemented by a massive east-west movement on the continent itself. This trend, however, reversed during the 1930's. Low fertility and low mortality prevailed and the migration of people began in the opposite direction. After World War II, the fertility rate reversed from low to moderate while the mortality rate remained low. During the 1950's and 1960's, losses in population continued but the higher rate of natural increase counterbalanced these losses. Between 1968 and 1974, the population declined until the 1974 population was less than that of 1961. The population has since shown a marked increase.

Year	*Population (000's)*[1]
1921	757
1931	922
1941	896
1951	832
1961	925
1971	926
1981	968

[1] *Source — Statistics Canada.*

During the past 30 years, the proportion of older people (65 years and over) has been increasing both in Canada as a whole and in Saskatchewan.

Percentage Distribution of the Total Population

	Canada		*Saskatchewan*	
Age	*1976*	*1981*	*1976*	*1981*
0-19	35.8	32.0	37.4	34.4
20-44	36.3	39.1	31.3	34.6
45-64	19.1	19.1	20.2	19.0
65+	8.7	9.7	11.1	12.0

Males outnumber females in the population; however, the trend is toward a more equal distribution.

Percentage Distribution by Sex, Saskatchewan

Year	*Male*	*Female*	*Males per 100 Females*
1921	54.6	45.4	120
1931	54.2	45.8	119
1941	53.3	46.7	114
1951	52.2	47.8	109
1961	51.8	48.2	108
1971	50.8	49.2	103
1981	50.2	49.8	101

Births

During the 1920's and 1930's the birth rate was characterized by a declining trend and reached a record low in the late 1930's. Gradually rising during the war years, the rate turned sharply upward, culminating in the peak of 1947. After a dip in the late 1940's, a steady rise occurred until a new peak was reached in 1954. The birth rate had been decreasing until it reached its new record low of 16.4 in 1973. The year 1974 indicated a slight increase with the birth rate at 16.8, and by 1981 the rate had risen to 17.8 per 1,000 population.

Live Birth Rates per 1,000 Population, Canada and Provinces, 1981[1]

	Rate
Canada	15.3
Newfoundland	17.8
Prince Edward Island	15.5
Nova Scotia	14.3
New Brunswick	15.1
Quebec	14.8
Ontario	14.2
Manitoba	15.7
Saskatchewan	17.8
Alberta	19.1
British Columbia	15.1

[1] *Source — Statistics Canada.*

Stillbirths are near an all-time low.

Stillbirth Rates per 1,000 Live Births, Canada and Provinces, 1981[1]

	Rates Weeks Gestation	
	20+	*28+*
Canada	7.3	5.3
Newfoundland	6.6	4.8
Prince Edward Island	7.9	4.7
Nova Scotia	7.7	6.3
New Brunswick	7.3	5.6
Quebec	6.7	5.0
Ontario	7.1	5.2
Manitoba	8.8	5.7
Saskatchewan	8.0	6.0
Alberta	7.2	5.0
British Columbia	8.9	5.8

[1] *Source — Statistics Canada.*

Deaths

The current crude death rate of 7.8 per 1,000 population in Saskatchewan is higher than the 1921 crude death rate (7.4). However, the standardized (age adjusted) mortality rates show a marked improvement (5.2 in 1981) (Table 18). Since 1921, the average age of decedents has more than doubled. Saskatchewan's crude death rate is higher than that for Canada as a whole (7.8 and 7.0 respectively).

Death Rates per 1,000 Population, Canada and Provinces, 1981[1]

	Rate
Canada	7.0
Newfoundland	5.7
Prince Edward Island	8.1
Nova Scotia	8.2
New Brunswick	7.4
Quebec	6.6
Ontario	7.3
Manitoba	8.4
Saskatchewan	7.8
Alberta	5.7
British Columbia	7.2

[1] *Source — Statistics Canada.*

Growth of the older population brought prominence to those diseases which are associated with the conditions of middle and old age, namely the cardio-vascular and renal diseases, and cancer as the leading causes of death. Another leading cause of death, accidents, came into prominence as a result of reductions in mortality from infections and certain other diseases once considered fatal.

Although there have been small fluctuations in the rate of infant deaths per 1,000 live births, on the whole this rate has been decreasing steadily since the record high of 92 infant deaths per 1,000 live births in 1923.

Maternal mortality has been virtually eliminated in Saskatchewan, with no maternal deaths occurring in 1981. The last maternal death occurred in 1979.

Natural Increase

During 1981, the net increase was less than the natural increase in population, indicating net migration from the province.

Marriages

During the 1930's, the marriage rate declined. A rise occurred during World War II, followed by a declining trend until 1962. The rate had been rising since 1962 until 1977 and 1978 which again showed a declining trend. The rate for 1981 increased slightly over that of 1980.

Marriage Rate per 1,000 Population, Canada and Provinces, 1981

	Rate
Canada	7.8
Newfoundland	6.6
Prince Edward Island	6.9
Nova Scotia	7.8
New Brunswick	7.3
Quebec	6.4
Ontario	8.1
Manitoba	7.9
Saskatchewan	7.6
Alberta	9.7
British Columbia	9.0

Divorces and Annulments

A new federal Divorce Act came into force on July 2, 1968. Because of the more liberal divorce laws, the number of divorces more than doubled from 385 in 1968 to 881 in 1969. The divorce rate increased from 40 per 100,000 population in 1968 to 92 in 1969.

In 1981 there were 1,932 divorces and annulments in Saskatchewan, with a rate of 199 per 100,000 population. This was an increase over the 1980 rate of 189 per 100,000 population.

Table 1. Summary of Vital Statistics, Saskatchewan, 1976-1981

Item	1976	1977	1978	1979	1980	1981
Population (1,000's)	921	937	948	959	970	968
Live births	15,969	16,547	16,551	16,944	17,057	17,209
Rate*	17.3	17.7	17.5	17.7	17.6	17.8
Deaths	7,809	7,594	7,749	7,369	7,651	7,523
Rate*	8.5	8.1	8.2	7.7	7.8	7.8
Natural increase	8,160	8,953	8,802	9,575	9,406	9,686
Rate*	8.9	9.6	9.3	10.0	9.7	10.0
Gross reproduction rate	1.126	1.113	1.074	1.068	1.031	1.035
Infant deaths	229	249	236	194	193	203
Rate†	14.3	15.0	14.3	11.4	11.3	11.8
Neonatal deaths	139	156	151	121	102	112
Rate†	9	9	9	7	6	6.5
Perinatal deaths						
Based on 20+ weeks gestation period for stillbirths	269	295	274	242	222***	230
Rate††	17	18	16	14	13	13
Based on 28+ weeks gestation period for stillbirths	234	258	234	212	186	196
Rate††	15	16	14	12	11	11
Stillbirths						
20+ weeks gestation	151	163	140	138	130	137
Rate†	9.5	9.9	8.5	8.1	7.6	8.0
28+ weeks gestation	116	126	99	108	91	103
Rate†	7.3	7.6	6.0	6.4	5.3	6.0
Marriages	7,563	7,238	7,135	7,261	7,561	7,325
Rate*	8.2	7.7	7.5	7.6	7.8	7.6
Divorces and annulments	1,207	1,474	1,428	1,528	1,836	1,932
Rate**	131	157	151	159	189	199

* *Rate per 1,000 population.*
† *Rate per 1,000 live births.*
†† *Rate per 1,000 total births (live births and stillbirths).*
** *Rate per 100,000 population.*
*** *Revised figures.*

Table 2. Natural Increase and Actual Increase, Saskatchewan, 1961-1981

Year	Population	Live births	Deaths	Natural increase		Estimated actual increase	
				Number	Rate*	Number	Rate*
1961	925,181	23,994	7,107	16,887	18.3	10,181	11.0
1962	930,000	23,341	7,004	16,337	17.6	4,819	5.2
1963	933,000	23,543	7,441	16,102	17.2	3,000	3.2
1964	942,000	22,682	7,373	15,309	16.3	9,000	9.6
1965	950,000	20,494	7,417	13,077	13.8	8,000	8.4
1966	955,344	19,037	7,427	11,610	12.2	5,344	5.6
1967	957,000	17,993	7,441	10,552	11.0	1,656	1.7
1968	960,000	18,197	7,498	10,699	11.1	3,000	3.1
1969	958,000	17,592	7,492	10,100	10.5	−2,000	−2.1
1970	941,000	16,443	7,472	8,971	9.5	−17,000	−18.1
1971	926,242	16,054	7,413	8,641	9.3	−14,758	−15.9
1972	914,000	15,473	7,590	7,883	8.6	−12,242	−13.4
1973	904,500	14,806	7,646	7,160	7.9	−9,500	−10.5
1974	899,700	15,118	7,814	7,304	8.1	−4,800	−5.3
1975	907,400	15,265	7,672	7,593	8.4	7,700	8.5
1976	921,325	15,969	7,809	8,160	8.9	13,925	15.1
1977	937,000	16,547	7,593	8,954	9.6	15,675	16.7
1978	948,400	16,551	7,749	8,802	9.3	11,400	12.0
1979	959,000	16,944	7,369	9,575	10.0	10,600	11.0
1980	970,100	17,057	7,651	9,406	9.7	11,100	11.4
1981	968,310	17,209	7,523	9,686	10.0	−1,790	−1.8

* *Rate per 1,000 population.*

Table 3. Live Births and Deaths by Place of Occurrence and Place of Residence, Saskatchewan, 1981*

Item	Live births	Deaths
OCCURRING IN SASKATCHEWAN	**17,309**	**7,506**
Saskatchewan residents	16,916	7,349
Non-residents	393	157
— Canadian residents	387	142
— United States residents	5	13
— Other	1	2
OCCURRING TO SASKATCHEWAN RESIDENTS	**17,209**	**7,523**
In Saskatchewan	16,916	7,349
Elsewhere		
— In Canada	289	164
— In United States	4	10

* *Source — Statistics Canada.*

Table 4. Population of Saskatchewan by Age Groups and Sex, 1979-1981*

Age group	1979		1980		1981	
	Number	Per cent	Number	Per cent	Number	Per cent
	Both sexes					
All ages	958,900	100.0	970,100	100.0	968,310	100.0
0-4	78,900	8.2	80,800	8.3	81,425	8.4
5-9	77,400	8.1	77,200	8.0	77,410	8.0
10-14	84,900	8.9	82,200	8.5	79,775	8.2
15-19	98,000	10.2	96,400	9.9	94,945	9.8
20-24	89,700	9.4	90,800	9.4	89,050	9.2
25-29	75,300	7.9	79,200	8.2	81,250	8.4
30-34	62,900	6.6	67,000	6.9	67,270	6.9
35-39	50,000	5.2	52,000	5.4	51,540	5.3
40-44	45,100	4.7	45,300	4.7	45,525	4.7
45-49	46,900	4.9	46,200	4.8	45,225	4.7
50-54	48,000	5.0	47,700	4.9	47,290	4.9
55-59	48,100	5.0	47,900	4.9	47,250	4.9
60-64	43,300	4.5	43,700	4.5	44,190	4.6
65-69	37,700	3.9	39,000	4.0	39,575	4.1
70-74	28,800	3.0	29,400	3.0	30,535	3.2
75-79	20,400	2.1	21,100	2.2	21,430	2.2
80-84	12,400	1.3	12,700	1.3	13,095	1.4
85-89	7,400	0.8	7,400	0.8	7,435	0.8
90+	4,000	0.4	4,200	0.4	4,100	0.4
	Male					
All ages	483,300	100.0	489,100	100.0	486,075	100.0
0-4	40,300	8.3	41,300	8.4	41,745	8.6
5-9	39,500	8.2	39,400	8.1	39,460	8.1
10-14	43,600	9.0	42,200	8.6	41,060	8.4
15-19	50,200	10.4	49,500	10.1	48,270	9.9
20-24	45,700	9.5	46,400	9.5	44,920	9.2
25-29	38,900	8.0	40,900	8.4	41,480	8.5
30-34	32,300	6.7	34,500	7.1	34,320	7.1
35-39	25,400	5.3	26,500	5.4	26,205	5.4
40-44	22,900	4.7	23,000	4.7	22,905	4.7
45-49	23,800	4.9	23,600	4.8	22,910	4.7
50-54	23,900	4.9	23,800	4.9	23,810	4.9
55-59	23,700	4.9	23,500	4.8	23,430	4.8
60-64	21,200	4.4	21,300	4.4	21,475	4.4
65-69	18,300	3.8	18,800	3.8	19,115	3.9
70-74	13,900	2.9	14,100	2.9	14,645	3.0
75-79	9,700	2.0	10,000	2.0	10,030	2.1
80-84	5,300	1.1	5,500	1.1	5,680	1.2
85-89	3,100	0.6	3,100	0.6	3,020	0.6
90+	1,600	0.3	1,700	0.3	1,800	0.3

Table 4. Population of Saskatchewan by Age Groups and Sex, 1979-1981* (Continued)

Age group	1979		1980		1981	
	Number	Per cent	Number	Per cent	Number	Per cent
	Female					
All ages	475,700	100.0	481,100	100.0	482,235	100.0
0-4	38,700	8.1	39,400	8.2	39,680	8.2
5-9	37,900	8.0	37,700	7.8	37,950	7.9
10-14	41,300	8.7	40,000	8.3	38,715	8.0
15-19	47,800	10.0	46,900	9.7	46,680	9.7
20-24	44,000	9.2	44,400	9.2	44,130	9.2
25-29	36,400	7.7	38,300	8.0	39,775	8.2
30-34	30,600	6.4	32,500	6.8	32,950	6.8
35-39	24,600	5.2	25,500	5.3	25,335	5.3
40-44	22,100	4.6	22,300	4.6	22,620	4.7
45-49	23,200	4.9	22,700	4.7	22,310	4.6
50-54	24,100	5.1	23,900	5.0	23,475	4.9
55-59	24,400	5.1	24,400	5.1	23,820	4.9
60-64	22,100	4.6	22,400	4.7	22,715	4.7
65-69	19,400	4.1	20,200	4.2	20,460	4.2
70-74	14,900	3.1	15,300	3.2	15,890	3.3
75-79	10,700	2.2	11,100	2.3	11,405	2.4
80-84	7,100	1.5	7,300	1.5	7,420	1.5
85-89	4,300	0.9	4,400	0.9	4,410	0.9
90+	2,400	0.5	2,600	0.5	2,505	0.5

** Columns may not add to totals due to rounding error.*

Source — 1979, 1980 and 1981: Statistics Canada Postcensal Population Estimates, Publication No. 91-202

Table 5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1981

Place of residence	Population*	Live births	Deaths	Infant deaths	Neonatal deaths	Stillbirths	Perinatal deaths	Marriages
Total for province	968,310	17,209	7,523	203	112	137	230	7,325
Cities	462,093	8,198	3,504	89	52	67	110	4,409
Estevan	9,174	169	66	1	–	2	2	79
Lloydminster (Sask.)	6,034	136	35	1	–	–	–	47
Melfort	6,010	116	74	1	–	1	1	63
Melville	5,092	94	56	–	–	–	–	54
Moose Jaw	33,941	512	365	10	5	2	7	342
North Battleford	14,030	238	121	2	–	4	4	167
Prince Albert	31,380	622	253	9	3	7	10	300
Regina	162,613	2,903	1,037	25	19	26	43	1,327
Saskatoon	154,210	2,749	1,028	36	22	21	36	1,548
Swift Current	14,747	233	171	2	2	2	4	177
Weyburn	9,523	154	102	–	–	–	–	100
Yorkton	15,339	272	196	2	1	2	3	205
Towns	110,321	2,196	1,451	23	11	18	27	1,084
Assiniboia	2,924	46	48	–	–	–	–	28
Battleford	3,565	90	43	2	1	–	1	17
Biggar	2,561	46	44	2	–	–	–	19
Canora	2,667	30	63	1	1	–	1	20
Carlyle	1,074	30	16	–	–	–	–	15
Carnduff	1,043	22	20	–	–	–	–	9
Carrot River	1,169	23	15	–	–	–	–	13
Coronach	1,032	32	6	–	–	–	–	4
Creighton	1,636	21	8	1	–	–	–	2
Dalmeny	1,064	27	3	–	–	1	1	8
Davidson	1,166	17	19	–	–	–	–	13
Esterhazy	3,065	55	28	1	1	1	2	28
Eston	1,413	18	23	–	–	–	–	18
Foam Lake	1,452	19	27	–	–	–	–	11
Fort Qu'Appelle	1,827	60	36	1	–	–	–	21
Gravelbourg	1,338	23	31	–	–	–	–	19
Grenfell	1,307	30	24	–	–	–	–	7
Gull Lake	1,095	23	20	–	–	–	–	20
Herbert	1,019	12	14	1	1	–	1	8
Hudson Bay	2,361	71	24	1	–	1	1	28
Humboldt	4,705	89	59	–	–	2	2	53
Indian Head	1,889	21	32	–	–	–	–	19
Kamsack	2,688	44	36	–	–	–	–	30
Kelvington	1,054	20	17	–	–	–	–	10
Kerrobert	1,141	22	25	–	–	2	2	12
Kindersley	3,969	87	47	–	–	–	–	50
Kipling	1,016	17	20	–	–	–	–	10
La Ronge	2,579	137	13	1	1	–	–	25
Langenburg	1,324	21	11	–	–	–	–	24
Langham	1,151	19	10	–	–	–	–	4
Lanigan	1,732	39	11	–	–	–	–	10
Leader	1,108	21	13	–	–	–	–	6
Lumsden	1,303	36	13	1	–	–	–	12
Maidstone	1,001	23	8	–	–	–	–	9
Maple Creek	2,470	51	48	2	1	–	1	24
Martensville	1,966	56	1	–	–	–	–	8
Meadow Lake	3,857	102	31	3	2	–	2	31

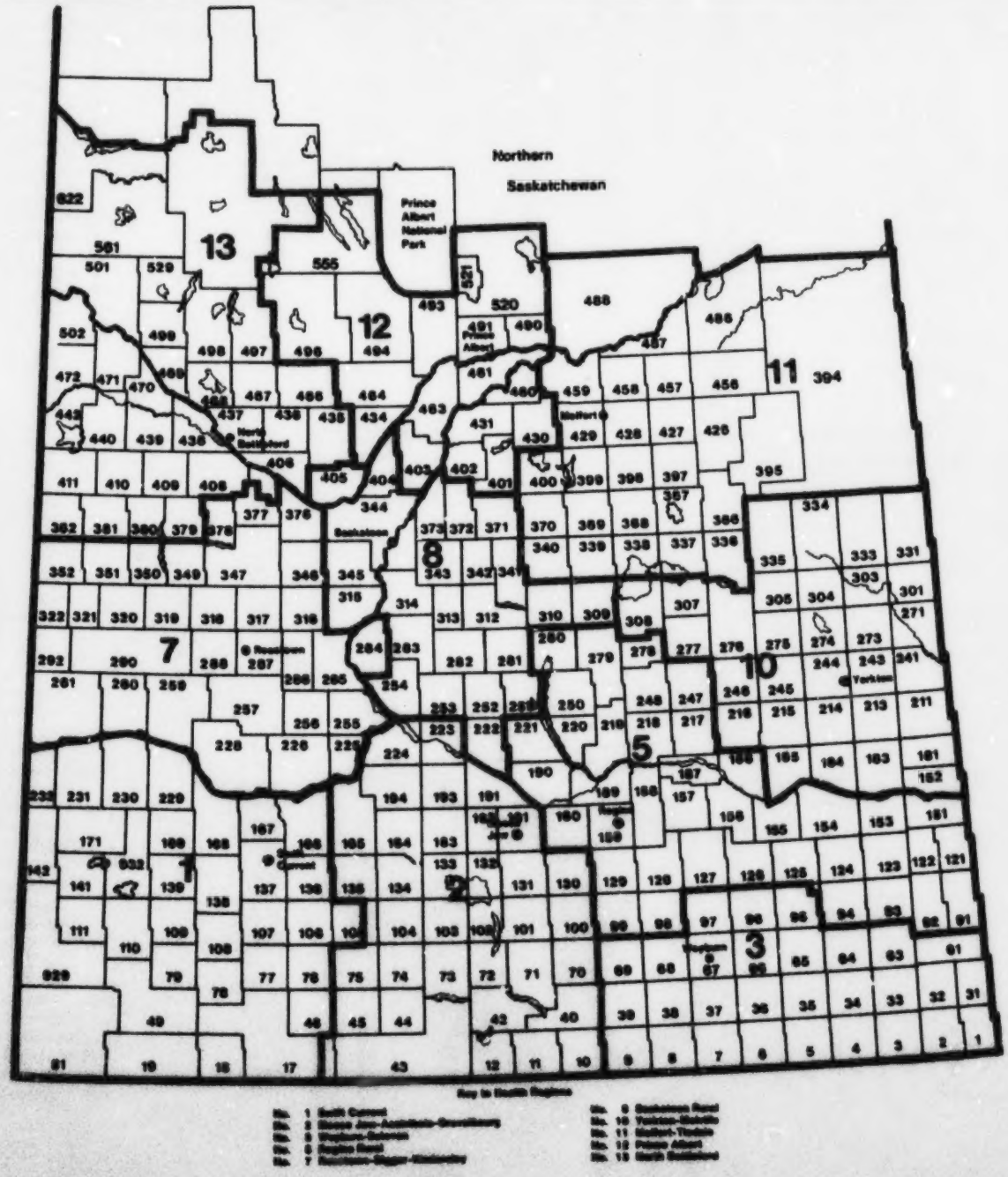
Table 5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1981 (Continued)

Place of residence	Population*	Live births	Deaths	Infant deaths	Neonatal deaths	Stillbirths	Perinatal deaths	Marriages
Moosomin	2,579	37	40	2	1	2	2	19
Nipawin	4,376	54	58	—	—	2	2	46
Outlook	1,976	31	28	—	—	—	—	26
Oxbow	1,191	23	17	1	1	—	1	12
Pilot Butte	1,255	30	2	—	—	1	1	2
Preeceville	1,243	11	18	—	—	—	—	15
Radville	1,012	19	28	—	—	1	1	16
Rosetown	2,664	52	32	—	—	1	1	25
Rosthern	1,609	28	32	—	—	—	—	21
Shaunavon	2,112	29	45	—	—	—	—	18
Shellbrook	1,228	20	19	—	—	—	—	25
Tisdale	3,107	46	35	1	1	—	1	46
Unity	2,408	34	29	—	—	—	—	35
Uranium City	2,748	77	6	—	—	2	2	12
Wadena	1,495	28	25	—	—	—	—	17
Wakaw	1,030	12	18	—	—	—	—	12
Warman	2,076	52	13	—	—	1	1	13
Watrous	1,830	31	18	—	—	1	1	13
Whitewood	1,003	15	18	—	—	—	—	14
Wilkie	1,501	23	25	1	—	—	—	14
Wynyard	2,147	44	38	1	—	—	—	38

* *Population at the time of the 1981 census.*

Health Regions

Figure 1. Health Region Map



Since Saskatchewan has no fixed political divisions corresponding to the counties of eastern Canada, census divisions have been used in the past for the presentation of statistical data for areas smaller than the province. These were designed to permit future subdivisions, if necessitated by population increases, without destroying comparability of information collected by earlier census counts.

In the meantime, certain demographic, economic and social patterns had begun to emerge in the province. For general public health purposes, vital statistics must be presented in a form which can be related to these patterns. With this in mind, commencing in 1954, the tabulations of vital statistics by health statistical areas was undertaken, in close collaboration with the Dominion Bureau of Statistics. These areas represented territorial divisions of the province, each one of which is served by one or two dominant urban centres. As of 1974, vital statistics are presented by Health Regions. The cities of Regina and Saskatoon, with their own health departments, and the *Department of Northern Saskatchewan* form separate reporting areas.

The presentation of data on births, deaths and marriages according to health regions enables medical health officers, and others engaged in administrative or epidemiological tasks, to relate these and all other relevant data in a meaningful way.

Births by Health Region

Birth rates for health regions in 1981 ranged from a high 28.2 per 1,000 population in the sparsely populated *Northern Health Services* area to a low 14.0 in the Yorkton-Melville region. The Northern areas (North Battleford, Prince Albert and the *Nothern Health Services)* and the largest cities (Regina and Saskatoon) have shown consistently high birth rates over the years with the *Northern Health Services Region* being the highest.

These high birth rates coupled with relatively low death rates have given the northern areas and the largest cities, rates of natural increase higher than other areas in the province.

Deaths by Health Region

In 1981, the Yorkton-Melville region had the highest death rate (9.8 per 1,000 population). The *Northern Health Services Region* had the lowest rate (3.9 per 1,000 population). Deaths and rates by health regions are found in Table 7, page 22.

Table 6. Population of Health Regions, Saskatchewan, 1981

Health regions	Population
Total for Province	**990,746**
No. 1 Swift Current	48,371
No. 2 Moose Jaw-Assiniboia-Gravelbourg	68,994
No. 3 Weyburn-Estevan	50,727
No. 5 Regina Rural	73,381
No. 7 Rosetown-Biggar-Kindersley	40,948
No. 8 Saskatoon Rural	47,264
No. 10 Yorkton-Melville	82,952
No. 11 Melfort-Tisdale	73,918
No. 12 Prince Albert	77,875
No. 13 North Battleford	79,411
Regina City	163,217
Saskatoon City	154,261
Northern Saskatchewan	29,627

Source: SHSP Covered Population

Table 7. Summary of Vital Statistics for Health Regions, Saskatchewan Residents, 1981

Health regions	Live births		Deaths		Natural increase		Marriages	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Total for province	17,209	17.4	7,523	7.6	9,686	9.8	7,325	7.4
No. 1 Swift Current	792	16.4	461	9.5	331	6.8	348	7.2
No. 2 Moose Jaw-Assiniboia-Gravelbourg	1,120	16.2	647	9.4	473	6.9	526	7.6
No. 3 Weyburn-Estevan	828	16.3	419	8.3	409	8.1	355	7.0
No. 5 Regina Rural	1,186	16.2	601	8.2	585	8.0	400	5.5
No. 7 Rosetown-Biggar-Kindersley	693	16.9	345	8.4	348	8.5	287	7.0
No. 8 Saskatoon Rural	836	17.7	263	5.6	573	12.1	230	4.9
No. 10 Yorkton-Melville	1,163	14.0	817	9.8	346	4.2	601	7.2
No. 11 Melfort-Tisdale	1,134	15.3	633	8.6	501	6.8	524	7.1
No. 12 Prince Albert	1,382	17.7	572	7.3	810	10.4	544	7.0
No. 13 North Battleford	1,595	20.1	580	7.3	1,015	12.8	499	6.3
City of Regina	2,903	17.8	1,040	6.4	1,863	11.4	1,327	8.1
City of Saskatoon	2,749	17.8	1,029	6.7	1,720	11.1	1,548	10.0
Department of Northern Saskatchewan	828	28.2	116	3.9	712	24.2	136	4.6

Health regions	Infant deaths		Neonatal deaths		Stillbirths**		Perinatal deaths**	
	Number	Rate†	Number	Rate†	Number	Rate†	Number	Rate††
Total for province	203	11.8	112	6.5	137	8.0	230	13.3
No. 1 Swift Current	8	10.1	4	5.1	6	7.6	10	12.5
No. 2 Moose Jaw-Assiniboia-Gravelbourg	18	16.1	11	9.8	10	8.9	21	18.6
No. 3 Weyburn-Estevan	8	9.7	5	6.0	7	8.5	11	13.2
No. 5 Regina Rural	15	12.6	8	6.7	10	8.4	16	13.4
No. 7 Rosetown-Biggar-Kindersley	7	10.1	4	5.8	5	7.2	9	12.9
No. 8 Saskatoon Rural	4	4.8	2	2.4	7	8.4	9	10.7
No. 10 Yorkton-Melville	14	12.0	9	7.7	9	7.7	18	15.4
No. 11 Melfort-Tisdale	11	9.7	5	4.4	11	9.7	13	11.4
No. 12 Prince Albert	19	13.7	6	4.3	11	8.0	17	12.2
No. 13 North Battleford	18	11.3	8	5.0	9	5.6	16	10.0
City of Regina	25	8.6	19	6.5	26	9.0	43	14.7
City of Saskatoon	36	13.1	22	8.0	21	7.6	36	13.0
Department of Northern Saskatchewan	20	24.2	9	10.9	5	6.0	11	13.2

* *Rate per 1,000 live population — Saskatchewan Hospital Services Plan Covered Population.*
† *Rate per 1,000 live births.*
** *Based on 20+ weeks gestation.*
†† *Rate per 1,000 total births.*

Table 8. Selected Leading Causes of Death by Residence, Saskatchewan, 1981

Place of residence	Cause of death								
	All deaths	Heart diseases (A128-A148)	Malignant neoplasms (A37-A86)	Cerebro-vascular disease (A149-A155)	Accidents (AE234-AE263)	Pneumonia (A163-A167)	Certain causes of perinatal mortality (A229-A231)	Suicide and self-inflicted injury (A264-A270)	Other
Total for province	7,523	2,620	1,647	677	528	303	81	171	1,496
Cities* (with more than 5,000 population)	3,504	1,243	796	278	208	156	40	79	704
Estevan (3)	66	23	19	4	4	2	–	2	12
Melfort (11)	74	28	17	5	3	3	–	2	16
Melville (10)	56	23	12	4	–	6	–	1	10
Moose Jaw (2)	365	138	76	20	26	19	4	5	77
North Battleford (13)	121	49	30	11	9	4	1	–	17
Prince Albert (12)	253	77	49	33	13	13	3	7	58
Regina	1,037	350	249	81	66	41	15	22	213
Saskatoon	1,028	370	233	72	61	38	15	30	209
Swift Current (1)	171	56	40	19	9	9	2	3	33
Weyburn (3)	102	44	20	10	2	4	–	1	21
Yorkton (10)	196	74	45	19	9	17	–	4	28
Lloydminster (Sask.) (13)	35	11	6	–	6	–	–	2	10
Health regions (excluding cities)	4,019	1,377	851	399	320	147	41	92	792
No. 1 Swift Current	290	108	62	31	21	12	1	2	53
No. 2 Moose Jaw-Assiniboia-Gravelbourg	282	108	58	24	24	11	5	6	46
No. 3 Weyburn-Estevan	251	90	52	32	13	12	4	5	43
No. 5 Regina Rural	604	210	131	55	41	19	5	13	130
No. 7 Rosetown-Biggar-Kindersley	345	117	78	44	21	14	3	4	64
No. 8 Saskatoon Rural	264	78	68	22	33	9	2	8	44
No. 10 Yorkton-Melville	565	202	116	53	28	19	6	19	122
No. 11 Melfort-Tisdale	559	203	132	65	23	18	3	13	102
No. 12 Prince Albert	319	105	57	32	32	10	2	8	73
No. 13 North Battleford	424	134	79	36	60	17	4	8	86
Department of Northern Saskatchewan	116	22	18	5	24	6	6	6	29

* *Health region number is given in parenthesis.*

Births

Birth Rate

There were 17,209 live births to Saskatchewan residents in 1981, resulting in a birth rate of 17.8 per 1,000 population.

Multiple Births

Multiple births in 1981 included 162 sets of twins and one set of triplets. Four sets of twins included one stillborn infant and four sets of twins were both stillborn. The triplets were all live born.

Births in Hospitals

In 1981, 53 births did not occur in hospitals.

Births by Sex

Continuing a long-term trend, there were more male live births than female live births in 1981, numbering 8,892 and 8,317 respectively, a ratio of 1,070 male to 1,000 female live births.

Male Live Births per 1,000 Female Live Births	
1971	1,033
1972	1,041
1973	1,044
1974	1,038
1975	1,024
1976	1,044
1977	1,055
1978	1,053
1979	1,052
1980	1,080
1981	1,070

Births Occurring to Single Mothers

While there was an increase in the number of babies born to single mothers in 1981, numbering 3,089 compared to 3,054 in 1980. The single parent live births remained at 17.9 per cent of all births.

The average age of unmarried mothers was lower (21.2) than that of married mothers (25.8).

Stillbirths

The minimum gestational period for compulsory registration of foetal deaths was lowered from 28 weeks to 20 weeks in 1961 due to a change in the definition of stillbirth. Using this definition, there were 137 stillbirths in the province in 1981, giving a rate of 8.0 per 1,000 live births. Stillbirths occurred most frequently in the gestation periods of 20-27 and 38-40 weeks. Males accounted for 50.8 per cent of total stillbirths. The average age of mothers bearing stillborn children was 25.2 years. The average age of mothers whose children were liveborn was 24.9 years.

Fertility Rates

The crude birth rate, i.e. the rate per 1,000 total population, is an inadequate measure of the rate at which the population is replacing itself because it is so much affected by changes in the age and sex composition of the population.

Almost all children born each year are to women between the ages of 15 and 49 — with very small numbers above and below these ages. Variations in the proportion of women of these ages to the total population will cause variations in the crude birth rates of different countries or even regions within a country or a province, even though the actual rates of reproduction or fertility of the women in those age groups are identical. It is therefore conventional to calculate an age specific fertility rate, i.e. an individual birth rate per 1,000 women in each of these reproductive age periods. The sum of these rates multiplied by five represents the "total fertility", that is, the number of births which 1,000 women would have throughout their lifetime, assuming no mortality, if they experienced at each age the fertility in effect during the period concerned.

From this in turn can be calculated a gross reproduction rate, which for a given year represents the average number of female infants that would be born to each woman who lived to reach the age of 50 if the fertility rates of a given year remained unchanged. When the gross reproduction rate falls below one, the women in the reproductive period of life are not having enough children to replace themselves, even if all their children lived to maturity.

Age Specific Fertility Rates, Saskatchewan, 1981

Age groups	*Rate per 1,000*
10-14	0.8
15-19	47.9
20-24	137.6
25-29	149.2
30-34	69.6
35-39	19.8
40-44	4.2
45-49	0.3
Total Fertility	2,143.0
Gross Reproduction Rate	1.035

Age of Parents

The average age of parents is determined by the interaction of several factors, the most important of which are age at marriage, the length of time between marriage and the arrival of the first child, and the spacing of additional children during the mother's reproductive period. The decreasing average age of parents has been caused by the combination of early marriage, closer spacing of children in young families, limiting of family size and limiting of reproduction to the early years of marriage.

In 1981, the average age of fathers was 28.3 years, of married mothers 25.8 years, and of unmarried mothers 21.2 years.

Birth Order

Thirty-nine per cent of all live births were first children and 68 per cent of the mothers of these first-born were under 25 years of age. Six per cent of first-born infants were to mothers over 30 years of age. First, second, and third children made up 89 per cent of total births, and 53 per cent of these mothers were under 25 years of age. Average age of mothers for first-born infants for 1981 was 22.6 years.

Birth Weight

Birth weight information provides the number of immaturely-developed live deliveries, those which are exposed to a greater risk of death than a "mature" infant. The recommendations of the World Health Organization specify that infants of 2500 grams or less at birth (approximately 5 pounds, 8 ounces) be considered "immature".

The average weight of all infants born in 1981 was 3404.8 grams. There is a direct relationship between the age of mother and birth weight. The proportion of "immature" births by age of mother reveals that a mother has a greater chance of delivering an "immature" foetus at less than 20 years or over 40 years of age than at any other age in the reproductive period. This data is illustrated on page 28, table no. 13.

There is also a relationship between the weight of the foetus and period of gestation. Of the 3.4 per cent of children born in 1981 at less than 36 weeks gestation, 74.2 per cent were "immature". Of those born in the period of 36 to 39 weeks, 7.3 per cent were classified as "immature" and of those born after 40 weeks gestation only 1.5 per cent weighed 2500 grams or less. This data is illustrated on page 29, table no. 14.

Table 9. Stillbirths by Sex and Period of Gestation, Saskatchewan, 1981

Period of gestation (weeks)	Number			Per cent distribution		
	Total	Male	Female	Total	Male	Female
Total	137	80	57	100.0	58.4	41.6
20-27	34	18	16	24.8	52.9	47.1
28-32	27	18	9	19.7	66.7	33.3
33-37	30	14	16	21.9	46.7	53.3
38-40	33	21	12	24.1	63.6	36.4
41+	13	9	4	9.5	69.2	30.8

Table 10. Live Births and Stillbirths by Age of Mother, Saskatchewan, 1981*

Age group	All births		Type of birth			
			Live births		Stillbirths	
	Number	Per cent	Number	Per cent	Number	Per cent
Total	17,346	100.0	17,209	100.0	137	100.0
Under 20	2,334	13.5	2,309	13.4	25	18.2
20-24	6,116	35.3	6,074	35.3	42	30.7
25-29	5,975	34.4	5,933	34.5	42	30.7
30-34	2,306	13.3	2,292	13.3	14	10.2
35-39	511	2.9	501	2.9	10	7.3
40-44	98	0.6	94	0.5	4	2.9
45-49	6	**	6	**	—	—
Average age		24.9		24.9		25.2
Median age		25.0		25.0		25.0

* *This table shows the number of births and stillbirths occurring to mothers in these age groups, and not the actual number of mothers in each group, as not all births were single births.*

** *Less than 0.1%.*

Table 11. Live Births by Age of Parent, Saskatchewan, 1981*

Age group	Fathers		Married mothers		Unmarried mothers	
	Number	Per cent	Number	Per cent	Number	Per cent
Total	17,209	100.0	13,946	100.0	3,263	100.0
Under 20	2660	15.5	820	5.9	1489	45.6
20-24	3397	19.7	4969	35.6	1105	33.9
25-29	5982	34.8	5485	39.3	448	13.7
30-34	3409	19.8	2124	15.2	168	5.1
35-39	1166	6.8	456	3.3	45	1.4
40-44	402	2.3	86	0.6	8	0.2
45-49	135	0.8	6	**	–	–
50+	58	0.3	–	–	–	–
Average age†		28.3		25.8		21.2
Median age†		27.0		25.0		20.0

* *This table shows the number of live births occurring to parents in these age groups, and not the actual number of parents in each age group, as not all births were single births.*

† *Average and median ages were calculated using single year age groups.*

** *Less than 0.05 per cent.*

Table 12. Live Births by Age of Mother and Order of Birth, Saskatchewan, 1981

Order of birth	Age of mother									
	Total	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Not stated
Total	17,209	32	2,277	6,074	5,933	2,292	501	94	6	–
1st child	6,696	31	1,758	2,792	1,699	360	46	10	–	–
2nd child	5,474	1	439	2,159	2,119	626	118	11	1	–
3rd child	3,076	–	65	843	1,366	669	113	20	–	–
4th child	1,182	–	12	219	504	347	85	14	1	–
5th child	392	–	2	48	149	129	56	8	–	–
6th child	174	–	1	12	52	77	25	6	1	–
7th child	92	–	–	1	32	36	19	4	–	–
8th child	40	–	–	–	8	17	9	5	1	–
9th child	28	–	–	–	2	13	11	2	–	–
10th child	24	–	–	–	1	10	7	5	1	–
11th child	12	–	–	–	1	4	5	2	–	–
12th child	7	–	–	–	–	2	2	3	–	–
13th child	3	–	–	–	–	1	1	1	–	–
14th child	2	–	–	–	–	–	1	1	–	–
15th child	3	–	–	–	–	1	2	–	–	–
17th child	3	–	–	–	–	–	1	1	1	–
18th child	1	–	–	–	–	–	–	1	–	–

Table 13. Live Births by Age of Mother and Birth Weight, Saskatchewan, 1981

Birth weight			Age of mother							
Gram intervals	Equivalent in lbs./oz.	Total	–20 years	20-24	25-29	30-34	35-39	40-44	45+	Not stated
Total		17,209	2,309	6,074	5,933	2,292	501	94	6	–
500 or less	1/1 or less	13	1	4	3	5	–	–	–	–
501-750	1/2-1/10	23	9	4	4	5	1	–	–	–
751-1000	1/11-2/3	43	13	10	13	5	1	1	–	–
1001-1250	2/4-2/12	26	7	5	11	2	1	–	–	–
1251-1500	2/13-3/4	46	4	14	16	7	5	–	–	–
1501-1750	3/5-3/13	71	12	26	25	5	3	–	–	–
1751-2000	3/14-4/6	116	18	32	38	21	5	2	–	–
2001-2250	4/7-4/15	216	26	75	62	38	13	1	1	–
2251-2500	5/0-5/8	409	76	153	117	45	14	4	–	–
Total 2500 or less	5/8 or less	963	166	323	289	133	43	8	1	–
2501-2750	5/9-6/1	826	122	292	277	103	26	6	–	–
2751-3000	6/2-6/9	1,590	238	613	510	183	37	8	1	–
3001-3250	6/10-7/2	2,729	408	995	919	331	65	11	–	–
3251-3500	7/3-7/11	3,452	476	1,259	1,191	419	90	17	–	–
3501-3750	7/12-8/4	3,270	411	1,162	1,152	444	83	16	2	–
3751-4000	8/5-8/13	2,243	281	744	815	319	72	12	–	–
4001-4250	8/14-9/6	1,174	124	375	437	184	43	10	1	–
4251-4500	9/7-9/14	622	57	214	218	108	21	3	1	–
4501-4750	9/15-10/7	209	21	64	71	41	11	1	–	–
4751-5000	10/8-11/0	86	3	19	38	18	6	2	–	–
5001-5250	11/1-11/9	30	1	12	9	5	3	–	–	–
5251-5500	11/10-12/2	10	–	1	5	3	1	–	–	–
5501-5750	12/3-12/10	1	–	1	–	–	–	–	–	–
5751-6000	12/11-13/3	1	–	–	–	1	–	–	–	–
6251-6500	13/13-14/5	1	–	–	1	–	–	–	–	–
Total 2501+	over 5/8	16,244	2,142	5,751	5,643	2,159	458	86	5	–
Not stated		2	1	–	1	–	–	–	–	–
Per cent of total		100.0	13.4	35.3	34.5	13.3	2.9	0.5	*	–
Per cent 2500 grams or less		5.6	7.2	5.3	4.9	5.8	8.6	8.5	16.7	–
Average weight (grams)		3404.8	3321.3	3391.8	3431.9	3448.6	3426.1	3406.5	3394.5	–
Median weight (grams)		3430.0	3373.0	3420.0	3458.0	3487.0	3480.0	3454.0	3522.5	–

* *Less than 0.05 per cent.*

Table 14. Live Births by Period of Gestation and Birth Weight, Saskatchewan, 1981

Birth weight			Period of gestation							
Gram intervals	Equivalent in lbs./oz.	Total	–20 weeks	20-23	24-27	28-31	32-35	36-39	40+	Not stated
Total		17,209	1	28	46	94	417	4,830	11,793	–
500 or less	1/1 or less	13	1	10	2	–	–	–	–	–
501-750	1/2-1/10	23	–	12	11	–	–	–	–	–
751-1,000	1/11-2/3	43	–	6	24	12	1	–	–	–
1001-1250	2/4-2/12	26	–	–	4	17	5	–	–	–
1251-1500	2/13-3/4	46	–	–	1	27	13	4	1	–
1501-1750	3/5-3/13	71	–	–	1	17	36	11	6	–
1751-2000	3/14-4/6	116	–	–	1	9	57	38	11	–
2001-2250	4/7-4/15	216	–	–	–	7	86	83	40	–
2251-2500	5/0-5/8	409	–	–	1	1	73	215	119	–
Total 2500 or less	5/8 or less	963	1	28	45	90	271	351	177	–
2501-2750	5/9-6/1	826	–	–	–	2	53	424	347	–
2751-3000	6/2-6/9	1,590	–	–	1	–	30	713	846	–
3001-3250	6/10-7/2	2,729	–	–	–	–	19	985	1,725	–
3251-3500	7/3-7/11	3,452	–	–	–	–	20	967	2,465	–
3501-3750	7/12-8/4	3,270	–	–	–	1	15	728	2,526	–
3751-4000	8/5-8/13	2,243	–	–	–	–	4	379	1,860	–
4001-4250	8/14-9/6	1,174	–	–	–	–	3	171	1,000	–
4251-4500	9/7-9/14	622	–	–	–	–	1	70	551	–
4501-4750	9/15-10/7	209	–	–	–	–	–	31	178	–
4751-5000	10/8-11/0	86	–	–	–	–	–	5	81	–
5001-5250	11/1-11/9	30	–	–	–	–	–	5	25	–
5251-5500	11/10-12/2	10	–	–	–	–	–	1	9	–
5501-5750	12/3-12/10	1	–	–	–	–	–	–	1	–
5751-6000	12/11-13/3	1	–	–	–	–	1	–	–	–
6251-6500	13/13-14/5	1	–	–	–	–	–	–	1	–
Total 2501+	over 5/8	16,244	–	–	1	3	146	4,479	11,615	–
Not stated		2	–	–	–	1	–	–	1	–
Per cent of total		100.0	*	0.2	0.3	0.5	2.4	28.1	68.5	–
Per cent 2,500 grams or less		5.6	100.0	100.0	97.8	95.7	65.0	7.3	1.5	–
Average weight (grams)		3404.8	320.0	553.4	947.7	1460.4	2379.3	3231.9	3543.9	–
Median weight (grams)		3430.0	320.0	545.0	880.0	1400.0	2296.0	3231.0	3530.0	–

* *Less than 0.05 per cent.*

Table 15. Live Births by Marital Status and Birth Weight for Mothers Under 20, Saskatchewan, 1981

Gram Intervals	Marital Status			
	Single	Married	Divorced	Total
Total	**1,488**	**820**	**1**	**2,309**
500 or less	1	—	—	1
501 - 750	5	4	—	9
751 - 1,000	8	5	—	13
1001 - 1250	5	2	—	7
1251 - 1500	2	2	—	4
1501 - 1750	9	3	—	12
1751 - 2000	16	2	—	18
2001 - 2250	20	6	—	26
2251 - 2500	47	29	—	76
Total 2500 or less	**113**	**53**	**—**	**166**
2501 - 2750	70	52	—	122
2751 - 3000	171	67	—	238
3001 - 3250	259	149	—	408
3251 - 3500	311	165	—	476
3501 - 3750	259	152	—	411
3751 - 4000	186	94	1	281
4001 - 4250	73	51	—	124
4251 - 4500	34	23	—	57
4501 - 4750	9	12	—	21
4751 - 5000	2	2	—	4
Not Stated	1	—	—	1

Table 16. Live Births by Marital Status and Gestation for Mothers Under 20, Saskatchewan, 1981

Gestation	Marital Status			
	Single	Married	Divorced	Total
20 weeks	1	—	—	1
21 weeks	1	—	—	1
22 weeks	3	—	—	3
23 weeks	1	—	—	1
24 weeks	3	4	—	7
25 weeks	1	—	—	1
26 weeks	5	—	—	5
27 weeks	—	1	—	1
28 weeks	4	4	—	8
29 weeks	1	1	—	2
30 weeks	3	2	—	5
31 weeks	7	—	—	7
32 weeks	9	5	—	14
33 weeks	10	3	—	13
34 weeks	17	9	—	26
35 weeks	18	5	—	23
36 weeks	55	23	—	78
37 weeks	53	33	—	86
38 weeks	130	72	—	202
39 weeks	176	120	—	296
40 weeks	714	357	1	1,072
Over 40 weeks	276	181	—	457
Total	1,488	820	1	2,309

Mortality

In 1981 death claimed 7,523 Saskatchewan residents constituting a crude death rate of 7.8 per 1,000 population.

Deaths by occurrence within the province amounted to 7,506. Of this total, 7,349 decedents were residents of Saskatchewan and 157 were non-residents. Deaths of Saskatchewan residents occurring outside the province numbered 174.

Age-Sex Mortality

Age specific death rates generally form the following pattern. Beginning with a high rate for infants, the rate drops to a minimum at the 5 to 14 age group then rises in each subsequent age group.

As in past years, the male death rate (8.9 per 1,000 population) exceeded the female rate (6.3 per 1,000 population) in 1981 (based on Statistics Canada population estimates). The difference in mortality rates between the sexes is more pronounced with the advancement of age.

In 1981, 3.8 per cent of all male deaths occurred in the under 5 age group, 28.8 per cent in the 5 to 64 age groups and 67.4 per cent in the 65 and over age group. Of female deaths, 2.6 per cent occurred in the under 5 age group, 20.8 per cent between the ages of 5 and 64, and 76.6 per cent in the 65 and over group.

Table 17. Age Specific Death Rates (per 1,000 Population), Saskatchewan, 1972-1981*

Year	All ages	Age group					
		Under 5	5-14	15-24	25-44	45-64	65+
1972	8.3	4.6	0.5	1.5	1.9	7.6	53.4
1973	8.5	4.3	0.4	1.4	1.5	7.6	54.6
1974	8.7	5.2	0.5	1.4	1.8	7.4	55.1
1975	8.5	4.6	0.4	1.4	1.7	7.5	53.0
1976	8.5	3.8	0.4	1.4	1.8	8.0	52.5
1977	8.1	4.0	0.4	1.6	1.6	7.0	50.3
1978	8.2	3.9	0.5	1.3	1.6	7.3	50.2
1979	7.7	3.2	0.4	1.4	1.6	7.1	46.3
1980	7.8	2.9	0.3	1.2	1.4	7.1	47.8
1981	7.8	3.1	0.4	1.2	1.4	7.1	46.1

* *Rates were calculated using Statistics Canada population estimates.*

Standardized (Age Adjusted) Death Rates

Analysis of mortality based on comparisons of crude death rates may prove to be unsatisfactory due to changes in the age composition of the population. A larger older population increases the risk of death, which will be reflected in the crude death rate. This factor may be corrected by determining what the mortality rate would have been had the age composition of the population remained constant over a series of years. Mortality rates are thus "standardized" to an arbitrary standard population, usually to the population in one particular year. The rates in Table 18 are standardized to the 1956 Saskatchewan census population.

Comparing the 1981 Saskatchewan crude death rate of 7.8 to the 1921 death rate of 7.4, there seems to be a deterioration. However, by "standardizing" (i.e. assuming that the age distribution of the population both in 1921 and 1981 was the same as in 1956), the results show a marked improvement since 1921, the standardized death rates being 10.4 in that year and 5.2 in 1981.

Since 1921 the standardized death rate has been decreasing for both sexes. Female rates have decreased more rapidly, however, and over the years the gap between male and female rates has widened. In 1921, the standardized death rate for males was 10.5 per 1,000 population and for females 10.3. The 1981 figures are 6.6 per 1,000 population for males, and 3.9 for females. These figures are illustrated on Table 18, page 33.

Deaths in Hospitals

There were 5,299 deaths in hospitals in 1981 in the province as a whole (70.4 per cent). This is a slightly lower proportion than the 1980 level of 70.5 per cent.

Leading Causes of Death

There is a varying impact of diseases on the different stages of the life span. Diseases peculiar to early infancy, congenital anomalies and pneumonia are main causes of death in infancy, while accidents take the greatest toll in childhood and young adult groups. Heart diseases and cancer become the major causes of death to persons in the middle and older ages.

In 1981, the average life years lost per decedent were 16.70 for males and 16.24 for females.

Heart diseases were the leading cause of death in terms of life years lost, making up 23.1 per cent of the total. They were also highest in actual number of deaths, accounting for over one-third of the total. Malignant neoplasms were the second highest cause of life years lost, and second highest in actual number of deaths. Transport accidents were third highest in terms of life years lost.

Heart Disease

The proportion of older people in the population is increasing rapidly as a result of the lengthening life span. Since heart diseases are associated with the conditions of middle and old age, mortality from heart diseases have become a major cause of death.

Heart diseases accounted for 2,620 deaths in Saskatchewan in 1981 (264.4 per 100,000 population). (Rates referred to in this section were calculated using the SHSP covered population). This is a decrease in number and a decrease in rate from 1980.

Thirty-five per cent of all deaths in the province in 1981 were caused by heart diseases. Ischaemic heart disease was the leading cause of death in the 65 and over age group, and the second leading cause of death in the 45-64 age group, accounting for 30.8 and 27.7 per cent of deaths respectively. Of the total deaths due to heart diseases, 15.8 per cent were to persons in the 45-64 age group and 82.7 per cent in the 65 and over age group. Thus, almost all deaths caused by heart diseases (98.5 per cent) occurred to persons 45 years of age and over.

Ischaemic heart disease accounted for 77.5 per cent of total heart diseases, a rate of 204.9 per 100,000 population. Death rates from chronic rheumatic heart disease, hypertensive disease, and other forms of heart disease were 2.7, 7.3 and 49.6 per 100,000 population, respectively.

The male death rate from heart diseases (319.3) continued to be much higher than the female rate (208.9) with also a large difference in ischaemic heart disease, males (256.7) and females (152.4).

Malignant Neoplasms (Cancer)

As in the case of heart diseases, cancer remains a leading cause of death because of the increase of older persons in the population. This disease was the second leading cause of death in 1981. The proportion (21.9 per cent of total deaths) was slightly higher than in 1980. The number (1,647) and the rate (166.2 per 100,000 population) were higher than in 1980. (Rates referred to in this section were calculated using the SHSP covered population).

Of the total deaths from cancer in Saskatchewan, 26.8 per cent were in the 45-64 age group and 69.1 per cent in the 65 plus group.

There was a decrease in the male cancer mortality rate from 199.1 in 1980 to 190.7 in 1981 and an increase in the female rate from 136.6 in 1980 to 141.4 in 1981. More males die from cancer of trachea, bronchus and lungs, and more females die from breast cancer, than any other form.

Accidents and Violence

There were 528 deaths due to accidents in 1981 compared with 567 in 1980, with the rate per 100,000 population showing a decrease to 53.3 in 1981 from 57.7 in 1980. (Rates referred to in this section were calculated using the SHSP covered population). The proportion of accidental deaths to all deaths decreased to 7.0 per cent from 7.4 per cent in 1980.

Accidents were a leading cause of death in all age groups from 1-64. Transport accidents were the leading cause of death in the age groups 1-4 years, 5-14 years, 15-24 years, and 25-34 years.

The male accident rate was much higher than the female rate (80.8 and 25.4 per 100,000 population respectively).

The number of suicides in Saskatchewan in 1981 increased to 171 from 153 in 1980, giving a rate of 17.7 per 100,000 population.

Nearly one-third of all suicides in Saskatchewan were in the 15-24 age group; 74 per cent of all suicides were men.

Deaths from homicide and legal intervention totalled 31 in Saskatchewan in 1981. Of these victims fourteen were males and seventeen were females.

Table 18. Standardized* Mortality Rates for Saskatchewan, Decennial Census Years, 1921-81†

Year	Both sexes	Male	Female
1921	10.4	10.5	10.3
1931	10.0	10.0	10.0
1941	9.2	9.6	8.7
1951	7.8	8.4	7.1
1961	6.7	7.8	5.3
1971	5.9	7.3	4.5
1981	5.2	6.6	3.9

* *Standardized to the 1956 Saskatchewan census population.*
† *Source — Statistics Canada.*

Table 19. Deaths by Age and Sex with Rates and Percentages, Saskatchewan, 1981

Age	Number			Rate per 1,000 population*			Per cent		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total	7,523	4,428	3,095	7.6	8.9	6.3	100.0	100.0	100.0
<1	203	134	69	12.8	16.3	9.0	2.7	3.0	2.2
1- 4	46	34	12	0.7	1.0	0.4	0.6	0.8	0.4
5- 9	21	12	9	0.3	0.3	0.2	0.3	0.3	0.3
10-14	35	27	8	0.4	0.7	0.2	0.5	0.6	0.3
15-19	113	82	31	1.2	1.7	0.7	1.5	1.9	1.0
20-24	110	83	27	1.1	1.7	0.6	1.5	1.9	0.9
25-29	85	61	24	1.0	1.4	0.6	1.1	1.4	0.8
30-34	78	45	33	1.1	1.3	1.0	1.0	1.0	1.1
35-39	82	54	28	1.6	2.0	1.1	1.1	1.2	0.9
40-44	99	70	29	2.2	3.0	1.3	1.3	1.6	0.9
45-49	161	107	54	3.5	4.6	2.4	2.1	2.4	1.7
50-54	237	153	84	5.0	6.4	3.6	3.2	3.5	2.7
55-59	396	251	145	8.3	10.6	6.1	5.3	5.7	4.7
60-64	503	331	172	11.4	15.4	7.5	6.7	7.5	5.6
65-69	730	477	253	18.4	24.8	12.4	9.7	10.8	8.2
70-74	896	567	331	29.4	38.4	20.9	11.9	12.8	10.7
75-79	1,046	642	404	48.8	63.9	35.5	13.9	14.5	13.1
80-84	946	520	426	71.4	90.7	56.7	12.6	11.7	13.8
85-89	917	437	480	120.7	141.7	106.4	12.2	9.9	15.5
90+	817	341	476	195.2	207.2	187.4	10.9	7.7	15.4

* *Rates were calculated using the Saskatchewan Hospital Services Plan Covered Population as of June 30, 1981.*

Table 20. Leading Causes of Death in Each Age Group, Saskatchewan, 1981

Age group and cause of death	Deaths in specified age groups		Deaths at all ages from specified causes	
	Number	Per cent	Number	Per cent in specified age group
Under 1 year	203	100.0	–	–
B45 Conditions in perinatal period	81	39.9	81	100.0
B44 Congenital anomalies	52	25.6	67	77.6
B46 Symptoms and ill-defined conditions	31	15.3	59	52.5
B32 Other diseases of respiratory system	14	6.9	576	2.4
Other	25	12.3	–	–
1-4 years	46	100.0	–	–
BE47 Transport accidents	12	26.1	300	4.0
BE51 Accidents caused by fires/flames	8	17.4	32	25.0
B08-B14 Malignant neoplasms	4	8.7	1,647	0.2
B32 Other diseases of respiratory system	4	8.7	576	0.7
B44 Congenital anomalies	4	8.7	67	6.0
BE52 Other accidents, late effects	4	8.7	88	4.5
B22 Diseases of the nervous system	3	6.5	89	3.4
Other	7	15.2	–	–
5-14 years	56	100.0	–	–
BE47 Transport accidents	24	42.9	300	8.0
B08-B14 Malignant neoplasms	9	16.1	1,647	0.5
BE52 Other accidents, late effects	5	8.9	88	5.7
BE55 Homicide and intentional injury	5	8.9	31	16.1
BE54 Suicide and self-inflicted injury	4	7.1	171	2.3
Other	9	16.1	–	–
15-24 years	223	100.0	–	–
BE47 Transport accidents	99	44.4	300	33.0
BE54 Suicide and self-inflicted injury	54	24.2	171	31.6
BE52 Other accidents, late effects	19	8.5	88	21.6
Other	51	22.9	–	–
25-34 years	163	100.0	–	–
BE47 Transport accidents	48	29.4	300	16.0
BE54 Suicide and self-inflicted injury	32	19.6	171	18.7
B08-B14 Malignant neoplasms	19	11.7	1,647	1.2
BE52 Other accidents, late effects	9	5.5	88	10.2
Other	55	33.7	–	–
35-44 years	181	100.0	–	–
BE47 Transport accidents	34	18.8	300	11.3
B08-B14 Malignant neoplasms	30	16.6	1,647	1.8
BE54 Suicide and self-inflicted injury	23	12.7	171	13.5
B27 Ischaemic heart disease	20	11.0	2,030	1.0
B34 Other parts of digestive system	13	7.2	292	4.5
B29 Cerebrovascular disease	12	6.6	677	1.8
Other	49	27.1	–	–
45-64 years	1,297	100.0	–	–
B08-B14 Malignant neoplasms	441	34.0	1,647	26.8
B27 Ischaemic heart disease	359	27.7	2,030	17.7
B34 Other parts of digestive system	76	5.9	292	26.0
Other	421	32.5	–	–
65+	5,354	100.0	–	–
B27 Ischaemic heart disease	1,647	30.8	2,030	81.1
B08-B14 Malignant neoplasms	1,138	21.3	1,647	69.1
B29 Cerebrovascular disease	598	11.2	677	88.3
B32 Other diseases of respiratory system	490	9.2	576	85.1
B28 Pulmonary and other heart disease	437	8.2	491	89.0
Other	1,044	19.5	–	–

Table 21. Deaths from Leading Causes by Sex, with Per Cent Distribution and Rates per 100,000 Population, Saskatchewan, 1980 and 1981

Causes of death ("B" List — 9th Revision)	Number		Per cent		Rate*	
	1980	1981	1980	1981	1980	1981
	Both sexes					
All causes of death	7,651	7,523	100.0	100.0	778.9	759.3
B27 Ischaemic heart disease	2,024	2,030	26.5	27.0	206.1	204.9
B08-B14 Malignant neoplasms	1,651	1,647	21.6	21.9	168.1	166.2
B29 Cerebrovascular disease	662	677	8.7	9.0	67.4	68.3
B32 Other diseases of respiratory sytem	617	576	8.1	7.7	62.8	58.1
B28 Pulmonary and other heart disease	496	491	6.5	6.5	50.5	49.6
BE47 Transport accidents	318	300	4.2	4.0	32.4	30.3
B34 Other parts of digestive system	293	292	3.8	3.9	29.8	29.5
B30 Other diseases of circulatory system	286	245	3.7	3.3	29.1	24.7
BE54 Suicide and self-inflicted injury	153	171	2.0	2.3	15.6	17.3
B18 Encodrine and metabolic diseases	140	136	1.8	1.8	14.3	13.7
	Male					
All causes of death	4,561	4,428	100.0	100.0	921.9	888.0
B27 Ischaemic heart disease	1,277	1,280	28.0	28.9	258.1	256.7
B08-B14 Malignant neoplasms	985	951	21.6	21.5	199.1	190.7
B32 Other diseases of respiratory system	387	370	8.5	8.4	78.2	74.2
B29 Cerebrovascular disease	331	291	7.3	6.6	66.9	58.4
B28 Pulmonary and other heart disease	268	265	5.9	6.0	54.2	53.1
BE47 Transport accidents	218	241	4.8	5.4	44.1	48.3
B34 Other parts of digestive system	175	158	3.8	3.6	35.4	31.7
B30 Other diseases of circulatory system	161	129	3.5	2.9	32.5	25.9
BE54 Suicide and self-inflicted injury	120	127	2.6	2.9	24.3	25.5
BE52 Other accidents, late effects	80	75	1.8	1.7	16.2	15.0
	Female					
All causes of death	3,090	3,095	100.0	100.0	633.8	628.9
B27 Ischaemic heart disease	747	750	24.2	24.2	153.2	152.4
B08-B14 Malignant neoplasms	666	696	21.6	22.5	136.6	141.4
B29 Cerebrovascular disease	331	386	10.7	12.5	67.9	78.4
B28 Pulmonary and other heart disease	230	226	7.4	7.3	47.2	45.9
B32 Other diseases of respiratory system	228	206	7.4	6.7	46.8	41.9
B34 Other parts of digestive system	143	134	4.6	4.3	29.3	27.2
B30 Other diseases of circulatory system	125	116	4.0	3.7	25.6	23.6
B18 Encodrine and metabolic diseases	78	79	2.5	2.6	16.0	16.1
BE47 Transport accidents	75	59	2.4	1.9	15.4	12.0
B35 Diseases of urinary system	52	47	1.7	1.5	10.7	9.6

* *Rates were calculated using the Saskatchewan Hospital Services Plan Covered Population as of June 30, 1980 and 1981.*

Table 22. Life Years Lost* and Average Age of Decedents by Cause of Death, Saskatchewan, 1981

Cause of death ("B" list — 9th Revision)	Total life years lost					Average age of decedents		Life years lost per decedent	
	Number			Per cent					
	Both sexes	Male	Female	Male	Female	Male	Female	Male	Female
1 Intestinal infectious diseases	147.48	70.46	77.02	47.78	52.22	2.50	3.50	70.46	77.02
2 Tuberculosis	152.31	112.20	40.11	73.67	26.33	65.36	65.00	16.03	20.05
3 Other bacterial diseases	246.85	71.67	175.18	29.03	70.97	40.00	60.70	35.83	25.03
4 Viral diseases	66.12	32.73	33.39	49.50	50.50	68.60	84.30	16.36	8.35
7 Other infectious, parasitic diseases	44.88	18.78	26.10	41.84	58.16	75.00	57.50	9.39	26.10
8 Malignant neoplasm of lip, oral cavity, pharynx	466.08	288.11	177.97	61.82	38.18	69.65	72.08	13.10	14.83
9 Malignant neoplasm of digestive organs, peritoneum	6,520.15	3,338.77	3,181.38	51.21	48.79	72.65	73.16	11.76	14.87
10 Malignant neoplasm of respiratory and related organs	5,142.38	3,464.98	1,677.40	67.38	32.62	69.44	65.80	13.38	19.97
11 Malignant neoplasm of bone, skin, breast	3,554.11	587.16	2,966.95	16.52	83.48	54.43	67.81	26.69	18.90
12 Malignant neoplasm of genitourinary organs	3,632.43	1,935.09	1,697.34	53.27	46.73	74.43	67.82	10.57	18.45
13 Malignant neoplasm of other and unspecified sites	2,669.18	1,186.75	1,482.43	44.46	55.54	64.34	67.62	17.45	19.01
14 Malignant neoplasm of lymphatic and haemopoietic tissue	2,935.84	1,855.35	1,080.49	63.20	36.80	66.15	68.55	16.42	18.31
15 Benign neoplasm	162.80	154.79	8.01	95.08	4.92	53.33	82.50	25.80	8.01
17 Other and unspecified neoplasm	195.09	106.19	88.90	54.43	45.57	67.84	72.90	17.70	14.82
18 Endocrine and metabolic diseases	2,073.69	759.96	1,313.73	36.65	63.35	71.37	72.03	13.33	16.63
19 Nutritional deficiencies	21.12	—	21.12	—	100.00	—	85.77	—	7.04
20 Diseases of blood and blood-forming organs	543.00	308.01	234.99	56.72	43.28	63.39	73.87	19.25	16.78
21 Mental disorders	558.92	394.53	164.39	70.59	29.41	70.02	82.15	13.60	9.67
22 Diseases of the nervous system	1,726.48	1,147.85	578.63	66.48	33.52	61.12	71.08	20.87	17.02
25 Rheumatic fever/heart disease	492.12	165.58	326.54	33.65	66.35	65.72	67.35	16.56	19.21
26 Hypertensive disease	682.82	327.73	355.09	48.00	52.00	78.66	80.60	8.86	10.15
27 Ischaemic heart disease	22,790.43	14,703.31	8,087.12	64.52	35.48	73.12	79.34	11.49	10.78
28 Pulmonary and other heart disease	4,773.01	2,507.74	2,265.27	52.54	47.46	77.29	81.33	9.46	10.02
29 Cerebrovascular disease	7,028.51	2,869.17	4,159.34	40.82	59.18	76.70	79.80	9.86	10.78
30 Other diseases of the circulatory system	2,037.33	1,094.26	943.07	53.71	46.29	78.82	84.19	8.48	8.13
31 Diseases of the upper respiratory tract	24.73	—	24.73	—	100.00	—	75.00	—	12.36

Table 22. Life Years Lost* and Average Age of Decedents by Cause of Death, Saskatchewan, 1981 (Continued)

	Cause of death ("B" list — 9th Revision)	Total life years lost					Average age of decedents		Life years lost per decedent	
		Number			Per cent					
		Both sexes	Male	Female	Male	Female	Male	Female	Male	Female
	32 Other diseases of the respiratory system	6,732.10	4,019.06	2,713.04	59.70	40.30	75.53	77.36	10.86	13.17
	34 Other parts of digestive system	4,380.69	2,358.64	2,022.05	53.84	46.16	68.65	74.00	14.93	15.09
	35 Diseases of urinary system	1,079.52	568.50	511.02	52.66	47.34	77.87	80.16	9.32	10.87
	36 Diseases of male genital organs	33.18	33.18	—	100.00	—	84.07	—	5.53	—
	37 Diseases of female genital organs	5.20	—	5.20	—	100.00	—	89.90	—	5.20
	42 Diseases of skin	116.13	—	116.13	—	100.00	—	58.10	—	29.03
	43 Musculoskeletal and connective tissue	532.77	61.24	471.53	11.49	88.51	77.41	67.49	8.75	18.86
	44 Congenital anomalies	4,561.98	2,814.76	1,747.22	61.70	38.30	4.96	10.18	67.02	69.89
	45 Conditions in perinatal period	5,971.81	3,769.89	2,201.92	63.13	36.87	0.11	0.11	71.13	78.64
	46 Symptoms and ill-defined conditions	2,690.63	1,652.04	1,038.59	61.40	38.60	28.70	44.75	48.59	41.54
E	47 Transport accidents	13,224.80	10,347.94	2,876.86	78.25	21.75	32.72	33.47	42.94	48.76
E	48 Accidental poisoning	696.68	318.92	377.76	45.78	54.22	41.39	40.28	35.44	41.97
E	49 Misadventures during medical care	22.99	—	22.99	—	100.00	—	78.70	—	11.49
E	50 Accidental falls	1,115.77	840.28	275.49	75.31	24.69	68.85	83.99	15.56	8.10
E	51 Accidents caused by fire and flames	1,490.86	1,107.29	383.57	74.27	25.73	30.31	33.75	46.14	47.95
E	52 Other accidents, late effects	3,510.57	2,846.35	664.22	81.08	18.92	38.49	30.80	37.95	51.09
E	54 Suicide and self-inflicted injury	6,672.25	4,712.02	1,960.23	70.62	29.38	39.66	37.95	37.10	44.55
E	55 Homicide and intentional injury	1,679.14	739.00	940.14	44.01	55.99	21.33	26.62	52.79	55.30
E	56 Other violence	988.19	253.66	734.53	25.67	74.33	39.64	39.26	36.24	43.21
Total		124,193.12	73,943.94	50,249.18	59.54	40.46	66.84	72.67	16.70	16.24

* Based on "Life Tables, Canada and the Provinces, 1975-1977", prepared by Statistics Canada, Ottawa, Ontario, June, 1980.

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1981

	Cause of death	All ages			
		Both sexes			
		Number	Rate*	Male	Female
All causes		7,523	759.3	4,428	3,095
A 5	Intestinal infections, specified	1	0.1	—	1
A 6	Ill-defined intestinal infections	1	0.1	1	—
A 7	Tuberculosis of respiratory system	9	0.9	7	2
A 13	Meningococcal infection	1	0.1	1	—
A 15	Septicemia	7	0.7	—	7
A 16	All other bacterial diseases	1	0.1	1	—
A 23	Other viral diseases	6	0.6	2	4
A 34	Late effects of tuberculosis	2	0.2	1	1
A 36	All other infectious and parasitic diseases and their late effects	1	0.1	1	—
A 37	Malignant neoplasm of lip	1	0.1	1	—
A 38	Malignant neoplasm of tongue	14	1.4	8	6
A 39	Malignant neoplasm of pharynx	11	1.1	8	3
A 40	Malignant neoplasms of other and ill-defined sites within the lip, oral cavity, and pharynx	8	0.8	5	3
A 41	Malignant neoplasm of oesophagus	18	1.8	14	4
A 42	Malignant neoplasm of stomach	87	8.8	58	29
A 43	Malignant neoplasm of small intestine, inc. duod.	5	0.5	2	3
A 44	Malignant neoplasms of hepatic and splenic flexures and transverse colon	6	0.6	2	4
A 45	Malignant neoplasm of descending colon	3	0.3	1	2
A 46	Malignant neoplasm of signoid colon	27	2.7	15	12
A 47	Malignant neoplasms of caecum, appendix, and ascending colon	28	2.8	11	17
A 48	Malignant neoplasms other and colon, unspecified	93	9.4	46	47
A 49	Malignant neoplasms of rectum, rectoisgnoid junction, and anus	67	6.8	47	20
A 50	Malignant neoplasms of liver, primary	7	0.7	4	3
A 52	Malignant neoplasm of liver, not specified as primary or secondary	10	1.0	4	6
A 53	Malignant neoplasms of gallbladder and extrahepatic bile ducts	32	3.2	11	21
A 54	Malignant neoplasm of pancreas	103	10.4	61	42
A 55	Malignant neoplasms of retroperitoneum, peritoneum, and other ill-defined sites	12	1.2	8	4
A 56	Malignant neoplasm of larynx	14	1.4	13	1
A 57	Malignant neoplasms of trachea, bronchus, and lung	322	32.5	240	82
A 58	Malignant neoplasms of all other and ill-defined sites within respiratory system	7	0.7	6	1
A 59	Malignant neoplasms of bone and articular cartilage	5	0.5	4	1
A 60	Malignant neoplasms of connective and other soft tissue	15	1.5	10	5
A 61	Melanoma of skin	12	1.2	5	7
A 62	Other malignant neoplasms of skin	4	0.4	3	1
A 63	Malignant neoplasm of female breast	143	14.4	—	143
A 65	Malignant neoplasm of cervis uteri	9	0.9	—	9
A 66	Malignant neoplasms of other parts of uterus	17	1.7	—	17
A 67	Malignant neoplasms of ovary and other uterine adnexa	41	4.1	—	41
A 68	Malignant neoplasms of other and unspecified female genital organs	6	0.6	—	6
A 69	Malignant neoplasm of prostate	126	12.7	126	—
A 70	Malignant neoplasm of testis	3	0.3	3	—
A 71	Penis and other male genital organs	1	0.1	1	—

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
207	98	165	58	230	114	842	455	1,044	584	1,940	1,786	–
–	1	–	–	–	–	–	–	–	–	–	–	A 5
1	–	–	–	–	–	–	–	–	–	–	–	A 6
–	–	–	–	–	–	3	1	2	1	2	–	A 7
–	–	–	–	–	–	1	–	–	–	–	–	A 13
–	–	–	–	–	1	–	2	–	2	–	2	A 15
–	–	–	–	1	–	–	–	–	–	–	–	A 16
–	–	–	–	–	–	1	–	–	1	1	3	A 23
–	–	–	–	–	–	–	1	–	–	1	–	A 34
–	–	–	–	–	–	–	–	1	–	–	–	A 36
–	–	–	–	–	–	–	–	–	–	1	–	A 37
–	–	–	–	–	–	6	1	1	3	1	2	A 38
–	–	–	–	–	–	3	2	3	1	2	–	A 39
–	–	–	–	–	–	–	–	1	1	4	2	A 40
–	–	–	–	–	–	4	1	6	1	4	2	A 41
–	–	–	–	1	1	15	8	12	6	30	14	A 42
–	–	–	–	–	–	1	–	–	2	1	1	A 43
–	–	–	–	–	–	–	2	–	1	2	1	A 44
–	–	–	–	–	–	–	1	–	–	1	1	A 45
–	–	–	–	–	–	4	5	4	3	7	4	A 46
–	–	–	–	–	–	1	5	1	3	9	9	A 47
–	–	–	–	1	1	10	14	18	13	17	19	A 48
–	–	–	–	1	–	11	3	14	7	21	10	A 49
–	–	1	–	–	–	1	1	1	2	1	–	A 50
–	–	–	–	1	–	–	1	–	1	3	4	A 52
–	–	–	–	–	–	2	1	2	5	7	15	A 53
–	–	–	–	1	–	14	10	22	13	24	19	A 54
–	–	–	–	–	–	1	–	2	2	5	2	A 55
–	–	–	–	1	–	5	–	3	–	4	1	A 56
–	–	–	–	4	3	72	37	86	24	78	18	A 57
–	–	–	–	1	–	1	1	2	–	2	–	A 58
2	–	–	1	–	–	1	–	1	–	–	–	A 59
2	–	1	–	–	1	1	1	5	1	1	2	A 60
–	–	–	–	2	–	2	4	–	1	1	2	A 61
–	–	–	–	–	–	–	–	–	1	3	–	A 62
–	–	–	–	–	7	–	50	–	41	–	45	A 63
–	–	–	–	–	–	–	5	–	–	–	4	A 65
–	–	–	–	–	2	–	4	–	10	–	1	A 66
–	–	–	–	–	3	–	14	–	17	–	7	A 67
–	–	–	–	–	–	–	–	–	1	–	5	A 68
–	–	–	–	–	–	11	–	51	–	64	–	A 69
–	–	–	–	3	–	–	–	–	–	–	–	A 70
–	–	–	–	–	–	–	–	–	–	1	–	A 71

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1981 (Continued)

	Cause of death	All ages			
		Both sexes			
		Number	Rate*	Male	Female
A 72	Malignant neoplasm of bladder	42	4.2	32	10
A 73	Malignant neoplasm of kidney and other and unspecified urinary organs	30	3.0	21	9
A 74	Malignant neoplasm of eye	2	0.2	1	1
A 75	Malignant neoplasm of brain	41	4.1	25	16
A 76	Malignant neoplasms of other and unspecified parts of nervous system	2	0.2	–	2
A 77	Malignant neoplasms of thyroid gland and other endocrine glands and related structures	8	0.8	2	6
A 78	Malignant neoplasms of all other and unspecified sites	93	9.4	40	53
A 79	Lymphosarcoma and reticulosarcoma	26	2.6	17	9
A 80	Hodgkins disease	9	0.9	4	5
A 81	Other malignant neoplasms of lymphoid and histiocytic tissue	34	3.4	22	12
A 82	Multiple myeloma and innumoproliferative neoplasms	28	2.8	19	9
A 83	Lymphoid leukemia	23	2.3	18	5
A 84	Myeloid leukemia	25	2.5	14	11
A 85	Monocytic leukemia	1	0.1	1	–
A 86	Other and unspecified leukemia	26	2.6	18	8
A 88	Benign neoplasms of eye, brain, and other parts of nervous system	5	0.5	4	1
A 89	All other and unspecified sites	2	0.2	2	–
A 92	Neoplasms of uncertain behavior	5	0.5	2	3
A 93	Neoplasms of unspecified nature	7	0.7	4	3
A 94	Disorders of thyroid gland	3	0.3	2	1
A 95	Diabetes mellitus	109	11.0	47	62
A 96	Disorders of pituitary and hypothalamic glands	1	0.1	–	1
A 99	Cystic fibrosis	2	0.2	–	2
A 100	Obesity	6	0.6	4	2
A 101	All other endocrine and metabolic diseases and immunity disorders	15	1.5	4	11
A 102	Nutritional marasmus	1	0.1	–	1
A 103	Other protein-calorie malnutrition	2	0.2	–	2
A 105	Deficiency anemias	4	0.4	1	3
A 106	Hemolytic anemias	2	0.2	1	1
A 107	Aplastic anemia	4	0.4	4	–
A 108	Other and unspecified anemias	5	0.5	2	3
A 109	Purpura and other haemorrhagic conditions	1	0.1	–	1
A 110	All other diseases of blood and blood-forming organs	14	1.4	8	6
A 111	Senile and presenile organic psychotic conditions	14	1.4	6	8
A 113	All other psychoses	2	0.2	1	1
A 114	Alcohol dependence syndrome	17	1.7	15	2
A 116	Other neurotic, personality, and nonpsychotic mental disorders	11	1.1	5	6
A 117	Mental retardation	2	0.2	2	–
A 118	Meningitis	5	0.5	3	2
A 119	Parkinsons disease	21	2.1	13	8
A 120	Other hereditary and degenerative diseases of the central nervous system	24	2.4	12	12
A 121	Multiple sclerosis	10	1.0	5	5
A 122	Infantile cerebral palsy	3	0.3	2	1
A 123	Epilepsy	9	0.9	8	1

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	–	–	–	–	–	9	3	7	1	16	6	A 72
–	–	–	–	–	–	6	1	9	3	6	5	A 73
–	–	–	–	–	–	–	–	1	1	–	–	A 74
3	–	–	–	4	2	8	4	8	8	2	2	A 75
–	–	–	–	–	–	–	2	–	–	–	–	A 76
–	1	–	–	–	–	–	1	–	2	2	2	A 77
1	–	–	–	1	1	7	19	19	12	13	21	A 78
–	–	–	–	1	–	6	2	6	3	3	4	A 79
–	–	–	–	–	1	1	1	2	2	1	1	A 80
–	–	–	–	–	–	6	1	7	7	9	4	A 81
1	–	–	–	–	–	5	4	4	1	10	4	A 82
–	–	2	–	2	1	3	–	6	1	8	4	A 83
–	–	–	–	–	–	3	5	4	1	3	4	A 84
3	1	–	–	–	2	–	–	1	–	–	–	A 85
–	–	–	–	2	–	4	3	6	–	5	2	A 86
–	–	–	–	–	–	1	–	–	–	1	1	A 88
–	–	–	–	–	–	–	–	2	–	–	–	A 89
1	–	–	–	–	–	–	1	–	1	2	1	A 92
–	–	–	–	–	–	–	–	1	2	2	1	A 93
–	–	–	–	–	–	–	–	–	–	2	1	A 94
–	–	–	–	3	5	9	7	11	10	24	40	A 95
–	–	–	1	–	1	–	–	–	1	–	–	A 96
–	–	–	–	–	–	3	–	1	1	–	1	A 99
1	2	–	–	–	–	2	–	–	1	1	8	A 100
–	–	–	–	–	–	–	–	–	–	–	1	A 101
–	–	–	–	–	–	–	–	–	–	–	2	A 102
–	–	–	–	–	–	–	–	–	–	1	3	A 103
–	1	–	–	–	–	–	–	1	–	–	–	A 105
1	–	1	–	1	–	–	–	1	–	1	–	A 106
–	–	–	–	–	–	–	–	–	–	1	3	A 107
–	–	–	–	–	1	–	–	–	–	–	–	A 108
–	–	–	–	–	–	2	1	5	2	1	3	A 109
–	–	–	–	–	–	–	1	–	–	6	7	A 110
–	–	–	–	1	–	7	1	5	1	2	–	A 111
–	–	–	–	–	–	2	–	1	1	2	5	A 113
–	–	–	–	–	–	2	–	–	–	–	–	A 114
3	–	–	–	–	–	–	–	–	–	–	2	A 116
–	–	–	–	–	–	1	1	2	3	10	4	A 117
1	–	–	–	–	–	2	3	5	3	4	6	A 118
–	–	–	–	2	–	3	4	–	1	–	–	A 119
–	1	1	–	–	–	1	–	–	–	–	–	A 120
–	–	1	1	2	–	3	–	1	–	1	–	A 121
												A 122
												A 123

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1981 (Continued)

Cause of death		All ages			
		Both sexes			
		Number	Rate*	Male	Female
A 124	Other diseases of the nervous system	17	1.7	12	5
A 128	Diseases of mitral valve	14	1.4	2	12
A 130	Diseases of mitral and aortic valves	2	0.2	1	1
A 131	All other chronic rheumatic heart disease	11	1.1	7	4
A 132	Essential hypertension	8	0.8	4	4
A 133	Hypertensive heart disease	37	3.7	20	17
A 134	Hypertensive renal disease	24	2.4	12	12
A 135	Hypertensive heart and ren. dis.	3	0.3	1	2
A 136	Acute myocardial infarction	1,414	142.7	940	474
A 137	Ischaemic heart disease	17	1.7	10	7
A 138	Angina pectoris	4	0.4	–	4
A 139	All other forms of chronic ischaemic heart disease	595	60.1	330	265
A 140	Diseases of pulmonary circulation	56	5.7	35	21
A 141	Acute and subacute endocarditis	4	0.4	4	–
A 142	Acute pericarditis, acute myocarditis, and other diseases of pericardium	5	0.5	2	3
A 143	Mitral valve disorders	19	1.9	8	11
A 144	Aortic valve disorders	33	3.3	20	13
A 145	Other diseases of endocardium	8	0.8	2	6
A 146	Heart failure	211	21.3	121	90
A 147	Myocarditis, unspecified and myocardial degeneration	16	1.6	10	6
A 148	All other and ill-defined forms of heart disease	139	14.0	63	76
A 149	Subarachnoid hemorrhage	36	3.6	12	24
A 150	Intracerebral and other intracranial haemorrhage	97	9.8	48	49
A 151	Occlusion and stenosis of precerebral arteries	5	0.5	3	2
A 152	Cerebral thrombosis and unspecified occlusion of cerebral arteries	101	10.2	43	58
A 153	Cerebral embolism	10	1.0	4	6
A 154	Acute but ill-defined cerebrovascular disease	336	33.9	146	190
A 155	Other and late effects of cerebrovascular diseases	92	9.3	35	57
A 156	Atherosclerosis	133	13.4	63	70
A 157	Aortic aneurysm	65	6.6	45	20
A 158	All other diseases of arteries, arterioles, and capillaries	24	2.4	12	12
A 159	Phlebitis, thrombophlebitis, and venous embolism and thrombosis	18	1.8	6	12
A 160	All other diseases of veins and lymphatics, and other diseases of circulatory system	5	0.5	3	2
A 161	Acute upper respiratory infections	2	0.2	–	2
A 163	Acute bronchitis, bronchiolitic	2	0.2	–	2
A 164	Viral pneumonia	4	0.4	3	1
A 165	Pneumococcal and other bacterial pneumonia	18	1.8	8	10
A 166	Bronchopneumonia, organism unspecified	146	14.7	86	60
A 167	Pneumonia due to other and unspecified organism	133	13.4	79	54
A 168	Influenza	22	2.2	8	14
A 169	Bronchitis, not specified as acute or chronic	4	0.4	1	3
A 170	Chronic bronchitis	37	3.7	32	5
A 171	Emphysema	27	2.7	24	3
A 172	Asthma	28	2.8	15	13
A 173	Bronchiectasis and extrinsic allergic alveolitis	1	0.1	–	1
A 174	Chronic airways obstruction, not elsewhere classified	103	10.4	89	14
A 175	Pneumoconioses and other lung disease due to external agents	8	0.8	6	2

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
2	–	–	–	–	–	1	–	2	–	7	5	A 124
–	–	–	–	–	2	–	–	–	7	2	3	A 128
–	–	–	–	–	–	–	–	1	1	–	–	A 130
–	–	–	–	1	1	3	–	1	–	2	3	A 131
–	–	–	–	1	–	1	–	1	–	1	4	A 132
–	–	–	–	–	–	3	4	5	2	12	11	A 133
–	–	–	–	–	–	–	–	–	2	12	10	A 134
–	–	–	–	–	–	1	–	–	–	–	2	A 135
–	–	–	–	16	–	224	52	289	121	411	301	A 136
–	–	–	–	–	–	3	–	3	1	4	6	A 137
–	–	–	–	–	–	–	2	–	–	–	2	A 138
–	–	–	–	5	3	61	17	67	36	197	209	A 139
–	–	–	–	–	1	4	2	11	3	20	15	A 140
–	–	–	–	–	–	3	–	1	–	–	–	A 141
–	–	–	–	–	–	–	2	1	–	1	1	A 142
–	–	–	–	–	–	5	2	1	1	2	8	A 143
–	–	–	1	1	–	3	1	7	3	9	8	A 144
–	–	–	–	–	–	1	–	1	–	–	6	A 145
–	–	–	–	–	1	9	–	14	6	98	83	A 146
–	–	–	–	–	–	1	–	5	1	4	5	A 147
1	1	2	1	1	1	6	4	15	12	38	57	A 148
1	–	1	1	3	2	4	13	2	5	1	3	A 149
–	–	1	–	3	2	8	2	10	14	26	31	A 150
–	–	–	–	–	–	2	1	1	–	–	1	A 151
–	–	–	–	–	–	5	4	12	7	26	47	A 152
–	–	–	–	–	–	1	–	2	2	1	4	A 153
–	–	–	–	–	–	6	10	37	34	103	146	A 154
–	–	–	–	3	2	–	4	4	4	28	47	A 155
–	–	–	–	1	–	4	1	8	2	50	67	A 156
–	–	–	–	1	–	2	1	16	9	26	10	A 157
–	–	–	–	1	1	1	–	2	–	6	11	A 158
–	–	–	–	–	–	–	2	2	–	4	10	A 159
–	–	–	–	–	–	1	–	–	–	2	2	A 160
–	1	–	–	–	–	–	–	–	1	–	1	A 161
2	–	–	–	–	–	–	–	–	1	–	–	A 163
1	1	–	–	–	–	–	–	1	1	–	–	A 164
3	1	–	–	–	–	1	3	1	–	5	6	A 165
4	2	–	–	–	1	3	–	15	7	65	52	A 166
–	1	–	–	–	–	2	3	12	6	61	42	A 167
–	1	–	–	–	–	–	1	–	1	8	11	A 168
–	1	–	–	–	–	–	–	–	–	1	2	A 169
–	–	–	–	–	–	6	–	7	–	19	4	A 170
1	–	1	–	2	2	5	1	9	–	10	2	A 171
–	–	–	–	–	–	1	5	6	1	4	5	A 172
–	–	–	–	–	–	–	–	–	–	–	1	A 173
–	–	–	–	–	–	15	5	27	3	47	6	A 174
–	–	–	–	–	–	2	–	–	–	4	2	A 175

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1981 (Continued)

	Cause of death	All ages			
		Both sexes			
		Number	Rate*	Male	Female
A 177	Pleurisy	6	0.6	2	4
A 178	All other diseases of respiratory system	37	3.7	17	20
A 180	Gastric ulcer	17	1.7	10	7
A 181	Duodenal ulcer	22	2.2	11	11
A 182	Peptic ulcer, site unspecified	10	1.0	5	5
A 183	Gastritis and duodenitis	3	0.3	2	1
A 184	Appendicitis	2	0.2	2	—
A 185	Hernia of abdominal cavity and intestinal obstruction without mention of hernia	27	2.7	11	16
A 186	Regional enteritis and idiopathic proctocolitis	5	0.5	4	1
A 187	All other noninfective gastroenteritis and colitis	37	3.7	16	21
A 188	Diverticular of intestine	11	1.1	2	9
A 189	Chronic liver disease and cirrhosis, specified as alcoholic	22	2.2	18	4
A 190	Chronic hepatitis and biliary cirrhosis	8	0.8	4	4
A 191	Other, chronic liver disease and cirrhosis without mention of alcohol	45	4.5	29	16
A 192	Cholelithiasis and other disorders of gallbladder	18	1.8	10	8
A 193	All other diseases of digestive system	65	6.6	34	31
A 196	Chronic glomerulonephritis, nephritis, nephropathy, and renal sclerosis unspecified	10	1.0	4	6
A 197	Renal failure and other disorders resulting from imparied renal function	71	7.2	45	26
A 198	Infections of kidney	15	1.5	6	9
A 199	Urinary calculus	2	0.2	2	—
A 200	All other diseases of urinary system	10	1.0	4	6
A 201	Hyperplasia of prostate	5	0.5	5	—
A 202	Other diseases of male genital organs	1	0.1	1	—
A 204	Other diseases of female genital organs	1	0.1	—	1
A 217	Infections of skin and subcutaneous tissue	1	0.1	—	1
A 218	Other diseases of skin and subcutaneous tissue	3	0.3	—	3
A 219	Rheumatoid arthritis and other inflammatory polyarthropathies	13	1.3	2	11
A 220	Arthropathies and related disorders	13	1.3	4	9
A 222	Rheumatism, excluding the back	1	0.1	—	1
A 223	Ostheopathies, chondropathies, and acquired musculoskeletal deformities	5	0.5	1	4
A 224	Spina bifida	1	0.1	1	—
A 225	All other congenital anomalies of nervous system	7	0.7	5	2
A 226	Congenital anomalies of heart	26	2.6	15	11
A 227	Other congenital anomalies of circulatory system	4	0.4	2	2
A 228	All other congenital anomalies	29	2.9	19	10
A 229	Birth trauma	9	0.9	5	4
A 230	Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome	10	1.0	8	2
A 231	Other conditions originating in the perinatal period	62	6.3	40	22
A 232	Senility without mention of psychosis	9	0.9	2	7
A 233	Symptoms, signs, and other ill-defined conditions	50	5.0	32	18
AE 234	Railway accidents	3	0.3	3	—
AE 235	Involving collision with train	4	0.4	4	—
AE 236	Involving collision with another motor vehicle	115	11.6	90	25

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	–	–	–	–	–	–	–	2	–	–	4	A 177
1	–	–	–	1	1	4	1	1	4	10	14	A 178
–	–	–	–	–	–	3	2	–	–	7	5	A 180
–	–	–	–	–	–	3	1	2	1	6	9	A 181
–	–	–	–	–	–	–	1	2	2	3	2	A 182
1	–	–	–	–	–	–	–	1	–	1	1	A 183
						–	–	–	–	1	–	A 184
–	–	–	–	–	1	1	1	1	3	9	11	A 185
–	–	–	–	–	–	1	–	1	–	2	1	A 186
2	–	–	–	–	3	2	4	2	4	10	10	A 187
–	–	–	–	–	–	–	1	1	1	1	7	A 188
–	–	–	–	4	1	11	3	1	–	2	–	A 189
–	–	1	–	–	–	2	2	–	–	1	2	A 190
–	–	–	–	–	3	18	5	8	3	3	5	A 191
–	–	–	–	–	–	1	1	2	2	7	5	A 192
–	1	–	–	3	2	10	3	6	5	15	20	A 193
–	–	–	–	–	–	2	2	2	3	–	1	A 196
–	–	–	–	3	–	2	1	13	2	27	23	A 197
–	–	–	–	–	1	–	–	–	2	6	6	A 198
–	–	–	–	–	–	–	–	–	–	2	–	A 199
–	–	–	–	–	1	–	–	1	1	3	4	A 200
–	–	–	–	–	–	–	–	–	–	5	–	A 201
–	–	–	–	–	–	–	–	–	–	1	–	A 202
–	–	–	–	–	–	–	–	–	–	–	1	A 204
–	–	–	1	–	1	–	–	–	–	–	1	A 217
–	–	–	–	–	1	–	4	2	3	–	1	A 218
–	–	–	–	–	1	–	2	2	5	2	3	A 219
–	–	–	–	–	–	–	–	–	–	–	1	A 220
											1	A 222
–	–	–	–	–	–	–	1	–	–	1	3	A 223
1	–	–	–	–	–	–	–	–	–	–	–	A 224
5	2	–	–	–	–	–	–	–	–	–	–	A 225
13	8	–	2	–	–	2	1	–	–	–	–	A 226
2	2	–	–	–	–	–	–	–	–	–	–	A 227
17	8	1	–	–	–	1	1	–	–	–	1	A 228
5	4	–	–	–	–	–	–	–	–	–	–	A 229
8	2	–	–	–	–	–	–	–	–	–	–	A 230
40	22	–	–	–	–	–	–	–	–	–	–	A 231
–	–	–	–	–	–	–	–	–	–	–	–	A 232
21	11	1	1	1	–	–	2	2	–	2	7	A 233
1	–	–	–	–	–	2	–	–	–	7	4	AE 234
–	–	2	–	1	–	1	–	–	–	–	–	AE 235
8	1	32	5	22	8	19	8	8	2	1	1	AE 236

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1981 (Continued)

Cause of death		All ages			
		Both sexes			
		Number	Rate*	Male	Female
AE 237	Involving collision with pedestrian	33	3.3	25	8
AE 238	Involving collision with other vehicle or object	8	0.8	8	—
AE 239	Not involving collision on highway	81	8.2	65	16
AE 240	Motor vehicle traffic accident of unspecified nature	24	2.4	19	5
AE 241	Motor vehicle nontraffic accident	14	1.4	13	1
AE 243	Water transport accidents	13	1.3	11	2
AE 244	Air and space transport accidents	5	0.5	3	2
AE 246	Accidental poisoning by drugs, medicaments, and biologicals	7	0.7	1	6
AE 247	Accidental poisoning by other solid or liquid substances	3	0.3	2	1
AE 248	Accidental poisoning by gases and vapors	8	0.8	6	2
AE 249	Misadventures during medical care	2	0.2	—	2
AE 250	Fall from one level to another	34	3.4	27	7
AE 251	Fall on same level	6	0.6	2	4
AE 252	Fracture, cause unspecified, and other and unspecified falls	48	4.8	25	23
AE 253	Accidents caused by fires and flames	32	3.2	24	8
AE 254	Lightning	1	0.1	—	1
AE 255	Accidental drowning and submersion	18	1.8	14	4
AE 256	Suffocation caused by inhalation or ingestion of food or other object	16	1.6	11	5
AE 257	Accidents caused by handgun	1	0.1	1	—
AE 258	Accidents caused by all other and unspecified firearms	2	0.2	2	—
AE 259	Accident caused by explosive material	2	0.2	2	—
AE 260	Accident caused by hot substances and radiation	1	0.1	1	—
AE 261	Accident caused by electric current	7	0.7	7	—
AE 262	All other accidents and late effects of accidental injury	40	4.0	37	3
AE 264	Suicide by drugs, medicaments and biologicals in therapeutic use	21	2.1	6	15
AE 265	Suicide by other solid or liquid substances	8	0.8	4	4
AE 266	Suicide by gases and vapors	16	1.6	15	1
AE 267	Suicide by hanging, strangulation and suffocation	27	2.7	18	9
AE 268	Suicide by handgun	1	0.1	1	—
AE 269	Suicide by all other and unspecified firearms	84	8.5	73	11
AE 270	Suicide by all other means and late effects of self-inflicted injury	14	1.4	10	4
AE 271	Assault by handgun	2	0.2	1	1
AE 272	Assault by all other and unspecified firearms	11	1.1	5	6
AE 273	Assault by cutting and piercing instrument	6	0.6	3	3
AE 274	Assault by all other means and late effects of injury	12	1.2	5	7
AE 277	Injury undetermined whether accidentally or purposely inflicted from poisoning by drugs, medicaments and biologicals	6	0.6	1	5
AE 278	Injury undetermined whether accidentally or purposely inflicted from poisoning by other solid or liquid substances	7	0.7	4	3
AE 281	Injury undetermined whether accidentally or purposely inflicted from injury by all other means and late effects of injury	11	1.1	2	9

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
8	2	5	3	4	—	3	1	2	1	3	1	AE 237
2	—	2	—	1	—	2	—	1	—	—	—	AE 238
3	4	32	6	22	4	5	2	—	—	3	—	AE 239
1	1	4	2	7	—	5	1	1	1	1	—	AE 240
5	1	2	—	4	—	2	—	—	—	—	—	AE 241
1	1	3	—	5	1	2	—	—	—	—	—	AE 243
—	—	—	1	2	1	1	—	—	—	—	—	AE 244
—	—	—	2	—	2	1	2	—	—	—	—	AE 246
1	—	—	—	—	—	—	1	1	—	—	—	AE 247
—	—	1	1	4	—	—	1	1	—	—	—	AE 248
—	—	—	—	—	—	—	—	—	1	—	1	AE 249
—	—	3	—	4	—	8	—	1	3	11	4	AE 250
—	—	—	—	—	—	1	—	1	1	—	3	AE 251
10	—	—	—	—	—	4	—	4	2	17	21	AE 252
—	—	2	3	5	3	3	2	1	—	3	—	AE 253
1	1	—	1	—	—	—	—	—	—	—	—	AE 254
		6	—	1	1	5	2	1	—	—	—	AE 255
1	3	1	—	—	—	3	1	4	—	2	1	AE 256
—	—	1	—	—	—	—	—	—	—	—	—	AE 257
1	—	1	—	—	—	—	—	—	—	—	—	AE 258
—	—	1	—	—	—	1	—	—	—	—	—	AE 259
—	—	—	—	—	—	—	—	—	—	—	—	AE 260
1	—	3	—	2	—	1	—	—	—	1	—	AE 261
5	1	5	—	10	1	16	1	1	—	—	—	AE 262
—	—	2	3	3	7	—	2	—	3	1	—	AE 264
—	—	—	1	1	—	2	1	1	—	—	2	AE 265
—	—	3	—	5	—	5	1	1	—	1	—	AE 266
2	1	4	4	7	1	3	—	2	2	—	1	AE 267
—	—	—	—	1	—	—	—	—	—	—	—	AE 268
—	1	30	6	22	4	11	—	5	—	5	—	AE 269
—	—	—	1	3	1	4	2	2	—	1	—	AE 270
2	1	1	—	—	1	—	—	—	—	—	—	AE 271
—	—	1	3	1	2	1	—	—	—	—	—	AE 272
3	3	1	1	2	—	—	1	—	—	—	1	AE 273
				1	3	—	—	—	—	—	—	AE 274
—	—	—	2	1	1	—	2	—	—	—	—	AE 277
—	—	—	2	1	1	3	—	—	—	—	—	AE 278
—	1	1	—	1	4	—	3	—	—	—	1	AE 281

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1981 (Concluded)

There were no deaths in 1981 from the following:

A 1	Cholera, typhoid, paratyphoid fevers
A 2	Shigellosis
A 3	Other samonella infections, food poisoning
A 4	Amoebiasis
A 8	Other tuberculosis
A 9	Brucellosis
A 10	Diptheria
A 11	Whooping cough
A 12	Streptococcal throat, scarlatina, erysipelas
A 14	Tetanus
A 17	Acute poliomyelitis
A 18	Smallpox
A 19	Measles
A 20	Rubella
A 21	Anthropod-borne encephalitis
A 22	Viral hepatitis
A 24	Typhus and other rickettsioses
A 25	Malaria
A 26	Other arthropod-borne diseases
A 27	Cardiovascular syphilis
A 28	Neurosyphilis
A 29	All other syphilis
A 30	Gonococcal infections
A 31	Other venereal diseases
A 32	Mycoses
A 33	Helminthiases
A 35	Late effects acute poliomyelitis
A 51	Malignant neoplasm of intrahepatic bile ducts
A 64	Malignant neoplasm of male breast
A 87	Malignant neoplasm of female genital organs
A 90	Malignant neoplasm of breast and genitourinary system
A 91	Malignant neoplasm of all other and unspecified sites
A 97	Diseases of thymus gland
A 98	Disorders of adrenal glands
A 104	Other nutritional deficiencies
A 112	Alcoholic psychoses
A 115	Drug dependence
A 125	Disorders of eye and adnexa
A 126	Diseases of ear and mastoid
A 127	Acute rheumatic fever
A 129	Disease of aortic valve
A 162	Other disorders of upper respiratory
A 176	Empyema and abscess of lung
A 179	Disorder of oral cavity, salivary
A 194	Acute glomerulonephritis
A 195	Nephrotic syndrome
A 203	Disorders of breast
A 205	Ectopic pregnancy
A 206	Spontaneous abortion
A 207	Legally induced abortion
A 208	Illegally induced abortion
A 209	Pregnancy with abortive outcome
A 210	Hemmorrhage of pregnancy and childbirth
A 211	Toxemia of pregnancy
A 212	Obstructed labor
A 213	Complication of puerperium
A 214	Direct obstetric causes
A 215	Indirect obstetric causes
A 216	Delivery in completely normal case
A 221	Dorsopathies
A 242	Other road vehicle accidents
A 245	Vehicle accident elsewhere unclassified
A 263	Drugs causing adverse effects
A 275	Legal execution
A 276	Other legal intervention
A 279	From injury by handgun
A 280	Injury by unspecified firearms
A 282	Injury from operations of war

Table 24. Accidental and Violent Deaths by External Cause and Internal Cause, Saskatchewan, 1981

External cause of death	Internal cause										
	BN47	BN48	BN49	BN50	BN51	BN52	BN53	BN54	BN55	BN56	Total
All causes of death	179	2	299	28	17	14	100	1	112	2	754
BE47 Transport accidents	104	1	157	11	—	3	—	—	24	—	300
BE48 Accidental poisoning	—	—	—	—	—	—	17	—	1	—	18
BE49 Misadventures during medical care	—	—	1	—	—	—	—	1	—	—	2
BE50 Accidental falls	64	1	16	3	—	—	—	—	4	—	88
BE51 Accidents caused by fires and flames	—	—	—	—	—	10	22	—	—	—	32
BE52 Other accidents, late effects	4	—	17	4	17	1	—	—	43	2	88
BE54 Suicide and self-inflicted injury	4	—	81	7	—	—	46	—	33	—	171
BE55 Homicide and intentional injury	3	—	22	3	—	—	—	—	3	—	31
BE56 Other violence	—	—	5	—	—	—	15	—	4	—	24

Codes for internal cause of deaths:

BN47 Fractures
BN48 Dislocations, sprains, strains
BN49 Intracranial, internal injury, nerves
BN50 Open wounds, injury to blood vessels
BN51 Effects/body entering through orifice
BN52 Burns
BN53 Poisonings and toxic agents
BN54 Complications/medical and surgical care
BN55 Other injuries
BN56 Effects of injury, poisons, toxicity

Table 25. Suicide by Province, 1976-1981

	1976		1977		1978		1979		1980		1981	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Newfoundland	21	3.8	21	3.7	15	2.6	25	4.4	19	3.3	24	4.2
Prince Edward Island	23	19.5	12	10.0	16	13.1	16	13.0	14	11.3	9	7.3
Nova Scotia	86	10.4	94	11.3	105	12.5	106	12.5	97	11.4	92	10.9
New Brunswick	74	10.9	72	10.5	90	13.0	84	12.0	81	11.4	77	11.1
Quebec	657	10.5	777	12.4	894	14.2	981	15.6	947	15.0	1,054	16.4
Ontario	1,077	13.0	1,216	14.5	1,208	14.3	1,105	13.0	1,121	13.1	1,075	12.5
Manitoba	144	14.1	180	17.5	159	15.4	151	14.6	121	11.8	144	14.0
Saskatchewan	129	14.0	146	15.6	164	17.3	142	14.8	153	15.8	171	17.7
Alberta	309	16.8	344	18.1	330	16.9	314	15.6	389	18.7	344	15.4
British Columbia	404	16.4	438	17.5	463	18.3	419	16.3	396	15.0	398	14.5
Yukon	4	18.3	5	23.3	7	32.3	6	27.8	11	51.4	5	21.6
Northwest Territories	7	16.4	12	27.7	24	55.0	8	18.4	9	20.9	10	21.9

** Rate per 100,000 population*

Table 26. Suicide by Age Group and Sex, Saskatchewan, 1961-81

		Under 15		15-24		25-44		45-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F
1961	Number	—	—	7	1	17	3	35	8	15	2	6	—
	Rate*	0.0	0.0	10.5	1.6	14.5	2.7	40.1	10.2	51.1	8.3	33.3	0.0
1966	Number	2	—	4	6	21	—	24	7	9	—	3	—
	Rate*	1.2	0.0	5.2	8.1	19.2	0.0	25.9	8.1	33.8	0.0	15.0	0.0
1971	Number	1	—	12	1	14	3	32	8	3	—	4	—
	Rate*	0.7	0.0	14.3	1.2	13.8	3.1	33.9	8.7	10.9	0.0	19.9	0.0
1976	Number	—	—	25	13	34	9	22	9	3	6	7	1
	Rate*	0.0	0.0	27.4	14.9	32.3	8.9	23.7	9.7	9.9	19.6	37.1	4.5
1981	Number	2	2	39	15	42	13	25	6	11	5	8	3
	Rate*	1.8	1.9	41.9	16.5	33.6	10.8	27.3	6.5	32.6	13.8	39.4	11.7

** Rate per 100,000 population.*

Infant Mortality

Infant Mortality Rate

A favourable infant mortality rate is one of the indications of good general health conditions in an area.

One of the most important of the factors influencing the infant mortality rate is the proportion of births that take place in hospital or under proper medical care. Successful public health programs, availability of hospital facilities, high quality of medical care and high standards of living are some of the conditions which have assisted in creating a downward trend in infant mortality.

The risk of death during the first year of life is higher than at any other age except at very old ages. Not until age 65 for males and age 70 for females is there a greater probability of death than that of infancy — see Saskatchewan Life Table (Table 38 in this report).

Infant Deaths by Age and Sex

Of the total infant deaths, 32.0 per cent occurred during the first day of life and 41.9 per cent before the third day. Fifty-five per cent occurred by the end of the first month.

In 1981 the male infant mortality rate was 15.1 per 1,000 male live births, and the female rate was 8.3 per 1,000 female live births.

Causes of Infant Deaths

In 1981 congenital anomalies caused 52 infant deaths (25.6 per cent of the total). Immaturity accounted for 33 infant deaths (16.3 per cent), and hypoxia, birth asphyxia, and respiratory conditions for 20 infant deaths (9.9 per cent). Influenza and pneumonia caused 11 infant deaths (5.4 per cent).

Neonatal Mortality (deaths under 4 weeks of age)

Of the 112 neonatal deaths in Saskatchewan in 1981, 78 occurred during the first day and 94 in the first week of life. Immaturity was the leading cause of neonatal death, followed by congenital anomalies and hypoxia, asphyxia, respiratory conditions.

Saskatchewan's 1981 neonatal mortality rate of 6.5 per 1,000 live births was slightly lower than the rate for all of Canada which was 6.4.

Perinatal Mortality

Deaths occurring before, and soon after, the natal or delivery period frequently have the same underlying causes. Perinatal deaths consist of stillbirths plus deaths under one week of age and the rate is expressed as a proportion of total births (live and stillborn). Under the definition of stillbirth adopted in 1961, in which the minimum gestational period was lowered from 28 to 20 weeks, there were 230 perinatal deaths with a rate of 13.3 per 1,000 total births in 1981, compared with a rate of 13.0 in 1980. Using the old definition of stillbirth (28+ weeks gestation) perinatal deaths would number 196 in 1981, giving a rate of 11.4 per 1,000 total births.

Table 27. Distribution of Infant Deaths by Age, Saskatchewan, 1981

Age	Number	Per cent	Rate*	Cumulative		
				Number	Per cent	Rate*
Total	203	100.0	11.8	203	100.0	11.8
1st day	78	38.4	4.5	78	38.4	4.5
2nd day	7	3.4	0.4	85	41.9	4.9
3rd day	3	1.5	0.2	88	43.3	5.1
4th day	4	2.0	0.2	92	45.3	5.3
5th day	1	0.5	0.1	93	45.8	5.4
7th day	1	0.5	0.1	94	46.3	5.5
1st week	94	46.3	5.5	94	46.3	5.5
2nd week	10	4.9	0.6	104	51.2	6.0
3rd week	4	2.0	0.2	108	53.2	6.3
4th week	4	2.0	0.2	112	55.2	6.5
1st month	112	55.2	6.5	112	55.2	6.5
2nd month	23	11.3	1.3	135	66.5	7.8
3rd month	19	9.4	1.1	154	75.9	8.9
4th month	15	7.4	0.9	169	83.3	9.8
5th month	6	3.0	0.3	175	86.2	10.2
6th month	10	4.9	0.6	185	91.1	10.8
7th month	4	2.0	0.2	189	93.1	11.0
8th month	3	1.5	0.2	192	94.6	11.2
9th month	4	2.0	0.2	196	96.6	11.4
10th month	2	1.0	0.1	198	97.5	11.5
12th month	5	2.5	0.3	203	100.0	11.8

* *Rate per 1,000 live births.*

Table 28. Infant Deaths by Sex and Age at Death, with Rates per 1,000 Live Births, Saskatchewan, 1981

Age of child	Number of infant deaths		Rate*		Per cent	
	Male	Female	Male	Female	Male	Female
Total	134	69	15.1	8.3	100.0	100.0
Under 1 day	45	20	5.1	2.4	33.6	29.0
1 day — 1 week	14	14	1.6	1.7	10.4	20.3
1 week — 1 month	17	2	1.9	0.2	12.7	2.9
1 month — 6 months	43	30	4.8	3.6	32.1	43.5
6 months — 1 year	15	3	1.7	0.4	11.2	4.3

* *Rate per 1,000 live births.*

Table 29. Infant Deaths by Selected Causes with Rates per 1,000 Live Births by Age at Death, Saskatchewan, 1981

Cause of death	Total under 1 year		Total under 28 days		Under 1 day		1 day		2 days		3 days		4 days	
	Number	Rate	Number	Rate	M	F	M	F	M	F	M	F	M	F
All infant deaths	203	11.8	112	6.5	45	20	8	5	3	4	2	1	–	4
Acute respiratory infections (460-466)	1	0.1	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia (480-486)	11	0.6	2	0.1	–	–	1	–	–	–	–	–	–	–
Congenital anomalies														
Brain, spine, nervous system (740-742)	6	0.3	2	0.1	–	–	–	1	–	–	–	–	–	–
Heart (746)	13	0.8	7	0.4	3	–	–	–	–	–	–	–	–	2
Other circulatory system (747)	4	0.2	1	0.1	–	–	–	–	–	–	–	–	–	–
Respiratory system (748)	3	0.2	2	0.1	1	–	–	–	–	–	–	–	–	–
Digestive system (749-751)	5	0.3	2	0.1	1	–	1	–	–	–	–	–	–	–
Urinary system (753)	4	0.2	4	0.2	3	–	–	–	–	–	–	–	–	–
Other and unspecified (759)	6	0.3	5	0.3	2	3	–	–	–	–	–	–	–	–
Certain causes of perinatal mortality														
Condition of placenta, cord, membrane (762)	5	0.3	5	0.3	3	2	–	–	–	–	–	–	–	–
Birth injury (763)	1	0.1	1	0.1	–	1	–	–	–	–	–	–	–	–
Immaturity (765)	33	1.9	33	1.9	20	6	2	2	–	1	1	–	–	–
Other complications (779)	2	0.1	2	0.1	–	–	–	–	–	–	–	–	–	–
Symptoms, ill-defined conditions (780-799)	31	1.8	1	0.1	–	–	–	–	–	–	–	–	–	–
Inhalation and ingestion (E911-E912)	3	0.2	–	–	–	–	–	–	–	–	–	–	–	–
Mechanical suffocation (E913)	2	0.1	–	–	–	–	–	–	–	–	–	–	–	–
All other causes	73	4.2	45	2.6	12	8	4	2	3	3	1	1	–	2

5 days		6 days		7-13 days		14-20 days		21-27 days		28 days under 2 mths		2 months		3 months		4 months		5 months		6-8 months		9-11 months	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	–	–	–	9	1	3	1	5	–	10	13	13	6	11	4	3	3	6	4	9	2	6	1
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	1	–	1	2	2	–	–	–	1	–	1	–	1	–	1	–
–	–	–	–	–	–	1	–	–	–	–	1	1	–	1	–	1	–	–	–	–	–	–	–
–	–	–	–	1	–	–	–	1	–	–	1	–	1	–	1	–	–	–	–	–	1	1	1
–	–	–	–	–	–	–	1	–	–	–	1	–	–	–	–	–	–	–	–	1	–	1	–
–	–	–	–	–	–	–	–	1	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	1	–	–	–	–	–	1	–	–	–	1	–	–	–	–	1	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	1	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	1	–	–	–	5	2	7	3	5	2	–	2	2	–	–	1	1	–
–	–	–	–	–	–	–	–	–	–	–	–	1	–	1	–	–	1	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	1	–	–	–	–	–
–	1	–	–	–	6	–	–	–	2	–	2	4	2	1	4	–	–	–	3	3	7	–	2

Table 30. Infant Deaths from Specific Causes by Sex with Rates per 1,000 Live Births, Saskatchewan, 1981

Cause of death	Total	Sex	
		Male	Female
	Number		
All infant deaths	203	134	69
Gastrointestinal (04, 06-09, 535, 555-558)	2	2	—
Influenza, pneumonia (480-487)	11	9	2
Congenital anomalies (740-759)	52	33	19
Certain causes of perinatal mortality			
Birth trauma, injury (763, 767)	10	5	5
Hypoxia, asphyxia, respiratory (768-770)	20	15	5
Immaturity (765)	33	23	10
Other causes (remainder 760-779)	18	10	8
Other and ill-defined causes	57	37	20
	Rate per 1,000 live births		
All infant deaths	11.8	15.1	8.3
Gastrointestinal (04, 06-09, 535, 555-558)	0.1	0.2	—
Influenza, pneumonia (480-487)	0.6	1.0	0.2
Congenital anomalies (740-759)	3.0	3.7	2.3
Certain causes of perinatal mortality			
Birth trauma, injury (763, 767)	0.6	0.6	0.6
Hypoxia, asphyxia, respiratory (768-770)	1.2	1.7	0.6
Immaturity (765)	1.9	2.6	1.2
Other causes (remainder 760-779)	1.0	1.1	1.0
Other and ill-defined causes	3.3	4.2	2.4

Table 31. Infant Deaths from Specific Causes by Age at Death with Rates per 1,000 Live Births, Saskatchewan, 1981

Cause of death	Total	0-6 days	7-27 days	28 days to 12 months
	Number			
All infant deaths	203	93	19	91
Infectious diseases (001-003, 101-139)	—	—	—	—
Gastrointestinal (004, 006-009, 535, 555-558)	2	—	—	2
Influenza, pneumonia (480-487)	11	1	1	9
Congenital anomalies (740-759)	52	19	8	25
Certain causes of perinatal mortality				
Birth trauma, injury (763, 767)	10	8	2	—
Hypoxia, asphyxia, respiratory (768-770)	20	16	1	3
Immaturity (765)	33	32	1	—
Other causes (remainder 760-779)	18	15	3	—
Other and ill-defined causes	57	2	3	52
	Rate per 1,000 live births			
All infant deaths	11.8	5.4	1.1	5.3
Infectious diseases (001-003, 101-139)	—	—	—	—
Gastrointestinal (004, 006-009, 535, 555-558)	0.1	—	—	0.1
Influenza, pneumonia (480-487)	0.6	0.1	0.1	0.5
Congenital anomalies (740-759)	3.0	1.1	0.5	1.5
Certain causes of perinatal mortality				
Birth trauma, injury (763, 767)	0.6	0.5	0.1	—
Hypoxia, asphyxia, respiratory (768-770)	1.2	0.9	0.1	0.2
Immaturity (765)	1.9	1.9	0.1	—
Other causes (remainder 760-779)	1.0	0.9	0.2	—
Other and ill defined causes	3.3	0.1	0.2	3.0

Marriages and Divorces

Rate of Marriages

There were 7,325 marriages in Saskatchewan in 1981 giving a marriage rate per 1,000 population of 7.6. For Canada as a whole, the rate decreased from 8.0 in 1980 to 7.8 in 1981.

July was the most favoured month for marriages in 1981 followed by August and June. The smallest number of marriages occurred in January.

The following table shows the distribution of marriage registrations by month.

Month	*Number*
January	189
February	292
March	232
April	457
May	810
June	829
July	1,157
August	1,112
September	563
October	747
November	477
December	464

Previous Marital Status and Age at Marriage

In 1981 in Saskatchewan, 78.2 per cent of all marriages were between persons who had not been previously married.

Of brides, 22.9 per cent were age 19 or less, whereas 5.8 per cent of bridegrooms fell into this category. Nearly 52.4 per cent of all bridegrooms and 70.2 per cent of all brides were 24 years or less. The average age of grooms was 27.1 and brides 24.4.

The following table gives a comparison of the average age of bridegrooms and brides for the years 1972-1981.

Average Age at Time of Marriage in Years

	Bridegroom	*Bride*
1972	26.1	23.5
1973	26.2	23.8
1974	25.4	22.9
1975	25.6	23.1
1976	25.8	23.2
1977	26.7	23.9
1978	26.3	23.6
1979	26.4	23.8
1980	26.7	24.0
1981	27.1	24.4

Birth Place and Religious Denomination

The number of Saskatchewan born brides was 5,946 or 81.2 per cent of total brides while Saskatchewan born grooms numbered 5,513 or 75.3 per cent; 93.8 per cent of all grooms and 95.8 per cent of all brides were born in Canada.

Both parties were of the same religious denomination in 45.1 per cent of all marriages recorded in Saskatchewan in 1981.

Divorces and Annulments

There were 1,932 divorces and annulments in Saskatchewan in 1981, an increase of 96 from the previous year. The rate of divorces and annulments per 100,000 population in 1981 was 199 compared to 189 for 1980.

The ratio of divorces and annulments to marriages was 1:4 in 1980 and 1:4 in 1981.

Table 32. Divorces and Annulments, Ratio to Marriages, and Rate per 100,000 Population, Saskatchewan, 1975-1981.

Item	1975	1976	1977	1978	1979	1980	1981
Number of divorces and annulments	1,131††	1,207††	1,474††	1,428††	1,528††	1,836	1,932
Number of marriages	8,066	7,563	7,238	7,135	7,261	7,561	7,325
Ratio of divorces and annulments to marriages	1:7	1:6	1:5	1:5	1:5	1:4	1:4
Rate of divorces and annulments per 100,000 population	123††	131	157††	151††	159††	189	199

†† Revised figure.

Source: Divorce figures from Statistics Canada publication "Vital Statistics, Volume II Marriages and Divorces", 84-205.

Table 33. Marriages by Previous Marital Status of Bridegroom and Bride, Saskatchewan, 1981

Status of bridegroom	Total	Status of bride		
		Single	Widow	Divorced
Total	7,325	6,208	257	860
Single	6,228	5,727	86	415
Widower	182	34	101	47
Divorced	915	447	70	398

Table 34. Bridegrooms and Brides by Age and Previous Marital Status, Saskatchewan, 1981

Age group	Bridegrooms				Brides			
	Total	Single	Widower	Divorced	Total	Single	Widow	Divorced
	Number							
Total	7,325	6,228	182	915	7,325	6,208	257	860
Under 20	425	425	—	—	1,675	1,671	2	2
20-24	3,412	3,368	2	42	3,470	3,350	8	112
25-29	1,928	1,748	3	177	1,166	904	17	245
30-34	649	409	9	231	398	175	19	204
35-39	297	117	11	169	200	58	23	119
40-44	160	50	5	105	92	8	13	71
45-49	120	36	12	72	86	18	18	50
50-54	98	27	21	50	71	10	35	26
55-59	82	22	27	33	61	7	36	18
60-64	55	13	24	18	46	4	33	9
65-69	46	9	27	10	34	2	29	3
70-74	31	3	21	7	16	1	14	1
75+	22	1	20	1	10	—	10	—
Average age	27.1	24.7	58.2	37.2	24.4	22.0	51.3	33.3
Median age	24.0	23.0	60.0	35.0	22.0	21.0	54.0	31.0

* *Less than 0.05 per cent.*
Average and median ages were calculated using single year age groups.

Table 35. Marriages by Religious Denomination of Bridegroom and Bride, Saskatchewan, 1981

Denomination	Number			Per cent		
	Both parties*	Bridegroom	Bride	Both parties*	Bridegroom	Bride
Total	3,306	7,325	7,325	45.1	100.0	100.0
Baptists	44	148	112	0.6	2.0	1.5
Lutherans	151	562	643	2.1	7.7	8.8
Mennonites	125	214	215	1.7	2.9	2.9
Presbyterians	12	111	69	0.2	1.5	0.9
Roman Catholics	1,163	2,234	2,298	15.9	30.5	31.4
United Church	931	1,898	1,980	12.7	25.9	27.0
All other religions	587	1,255	1,207	8.0	17.1	16.5
No religion	115	309	216	1.6	4.2	2.9
Unspecified or unknown	161	597	562	2.2	8.2	7.7

* *These figures and percentages represent marriages in which both the bridegroom and bride were of the same religious denomination. The difference between this figure and the total number of marriages represents the proportion in which bridegroom and bride were of different religious denominations includes Eastern Orthodox Churches and Doukhobors.*

Table 36. Marriages by Birthplace of Bridegroom and Bride, Saskatchewan, 1981

Birthplace of bridegroom	Birthplace of bride												
	Total	Sask.	Alta.	B.C.	Man.	Ont.	Other prov.	U.S.	Asia	Europe	Africa	Other	Not stated
Total	7,325	5,946	268	144	283	217	156	74	84	116	9	27	1
Saskatchewan	5,513	4,714	173	99	181	128	72	48	7	72	6	13	—
Alberta	331	242	42	8	15	8	6	3	2	4	—	1	—
British Columbia	145	122	3	7	1	6	3	3	—	—	—	—	—
Manitoba	351	260	14	6	45	9	7	2	—	7	1	—	—
Ontario	340	231	11	10	22	40	16	5	1	4	—	—	—
Other provinces	193	111	13	5	9	10	39	3	—	3	—	—	—
United States	98	74	4	2	4	3	—	4	1	6	—	—	—
Asia	92	19	1	—	—	—	2	1	68	1	—	—	—
Europe	218	155	7	4	4	10	10	4	3	19	—	2	—
Africa	10	4	—	2	—	1	—	—	1	—	2	—	—
Other	31	13	—	1	2	2	1	1	—	—	—	11	—
Not stated	3	1	—	—	—	—	—	—	1	—	—	—	1

Life Expectancy

A life expectancy table is, in effect, the history of mortality of 100,000 male babies and of 100,000 female babies born at the same time. Life expectancy figures provide a graphic picture of the extent to which the saving of lives has gradually prolonged the average expectation of life, and are fairly good mirrors reflecting the general health and survival conditions at the time of their compiling.

According to the Saskatchewan life table compiled on the basis of the 1981 census, the life expectancy at birth reached an all time peak for females, 79.61 years, and for males, 72.43 years. The gain in life expectancy is greater in females. A sharp rise in the probability of death begins at age 56 for males and at 65 for females, the decrease in expectancy being faster for males than females.

Table 37. Life Expectancy, Saskatchewan, 1941, 1961, 1981

	Life expectancy			Gain or loss in life expectancy	
Age	1941	1961	1981	1961 over 1941	1981 over 1961
	Males				
At birth	65.43	70.27	72.43	4.84	2.16
20	51.28	53.49	54.35	2.21	0.86
40	33.32	34.99	35.92	1.67	0.93
60	16.82	18.10	19.09	1.28	0.99
80	5.76	6.31	7.16	0.55	0.85
	Females				
At birth	68.19	75.93	79.61	7.74	3.68
20	53.08	58.35	60.85	5.27	2.50
40	34.96	39.09	41.64	4.13	2.55
60	18.26	21.09	23.65	2.83	2.56
80	6.38	7.29	8.94	0.91	1.65

Note: Source of figures for 1941: Life Tables for Canada and Regions, 1941 and 1931, D.B.S. Ottawa 1947. These figures have been calculated for the prairie provinces. The figures for 1961 have been calculated for Saskatchewan by the Department of Health. The figures for 1981 are taken from the Statistics Canada publication, Life Tables, Canada and Provinces, 1980-1982.

Table 38. Life Table for Saskatchewan in Shortened Form, 1981 — Males

Age	Number of survivors l_x	Number of deaths d_x	Probability of death before reaching next birthday q_x	Life expectancy e_x^o
At birth	100,000	1,320	.01320	72.43
1 year	98,680	108	.00109	72.40
2 years	98,572	79	.00080	71.48
3 years	98,493	64	.00065	70.53
4 years	98,429	57	.00058	69.58
5 years	98,372	44	.00045	68.62
10 years	98,245	21	.00021	63.71
15 years	98,002	126	.00130	58.86
20 years	97,150	199	.00204	54.35
25 years	96,193	168	.00176	49.87
30 years	95,430	135	.00141	45.24
35 years	94,743	157	.00165	40.55
40 years	93,837	222	.00236	35.92
45 years	92,494	365	.00394	31.40
50 years	90,330	517	.00572	27.09
55 years	87,300	792	.00908	22.94
60 years	82,629	1,127	.01364	19.09
65 years	76,126	1,618	.02126	15.49
70 years	66,756	2,262	.03389	12.30
75 years	54,226	2,827	.05214	9.54
80 years	39,472	3,023	.07657	7.16
85 years	24,386	2,926	.12000	5.04

Table 38. Life Table for Saskatchewan in Shortened Form, 1981 — Females (Continued)

Age	Number of survivors l_x	Number of deaths d_x	Probability of death before reaching next birthday q_x	Life expectancy e_x^o
At birth	100,000	914	.00914	79.61
1 year	99,086	86	.00087	79.34
2 years	99,000	45	.00046	78.41
3 years	98,955	34	.00034	77.45
4 years	98,921	30	.00030	76.47
5 years	98,891	25	.00026	75.50
10 years	98,788	18	.00019	70.57
15 years	98,657	48	.00049	65.66
20 years	98,371	55	.00056	60.85
25 years	98,107	58	.00060	56.00
30 years	97,779	73	.00075	51.18
35 years	97,369	101	.00103	46.39
40 years	96,809	122	.00126	41.64
45 years	96,096	199	.00207	36.93
50 years	94,897	285	.00300	32.36
55 years	93,208	458	.00492	27.90
60 years	90,508	633	.00698	23.65
65 years	86,918	890	.01024	19.52
70 years	81,591	1,368	.01677	15.62
75 years	73,395	2,085	.02840	12.07
80 years	61,250	2,930	.04784	8.94
85 years	44,776	3,785	.08452	6.26